



Appendix for test report



1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| BAND12 | LTE/TM1 | 1.4 | LCH | RB1#0 | 23.63 | 17.95 | 34.7 | PASS |
| | | | | RB1#3 | 23.56 | 17.65 | 34.7 | PASS |
| | | | | RB1#5 | 23.63 | 17.58 | 34.7 | PASS |
| | | | | RB3#0 | 23.56 | 17.65 | 34.7 | PASS |
| | | | | RB3#2 | 23.55 | 17.85 | 34.7 | PASS |
| | | | | RB3#3 | 23.64 | 17.88 | 34.7 | PASS |
| | | | RB6#0 | 22.59 | 16.92 | 34.7 | PASS | |
| | | | MCH | RB1#0 | 23.67 | 18.01 | 34.7 | PASS |
| | | | | RB1#3 | 23.56 | 17.80 | 34.7 | PASS |
| | | | | RB1#5 | 23.79 | 18.10 | 34.7 | PASS |
| | | | | RB3#0 | 23.64 | 17.93 | 34.7 | PASS |
| | | | | RB3#2 | 23.5 | 17.67 | 34.7 | PASS |
| | | | | RB3#3 | 23.56 | 17.71 | 34.7 | PASS |
| | | | RB6#0 | 22.58 | 16.78 | 34.7 | PASS | |
| | | | HCH | RB1#0 | 23.81 | 17.91 | 34.7 | PASS |
| | | | | RB1#3 | 23.44 | 17.50 | 34.7 | PASS |
| | | | | RB1#5 | 23.78 | 18.01 | 34.7 | PASS |
| | | | | RB3#0 | 23.57 | 17.82 | 34.7 | PASS |
| | | RB3#2 | | 23.29 | 17.60 | 34.7 | PASS | |
| | | RB3#3 | | 23.67 | 17.74 | 34.7 | PASS | |
| | | RB6#0 | 22.71 | 16.94 | 34.7 | PASS | | |
| | | 3 | LCH | RB1#0 | 23.65 | 17.67 | 34.7 | PASS |
| | | | | RB1#7 | 23.64 | 17.94 | 34.7 | PASS |
| | | | | RB1#14 | 23.78 | 17.88 | 34.7 | PASS |
| | | | | RB8#0 | 22.8 | 17.02 | 34.7 | PASS |
| | | | | RB8#4 | 22.46 | 16.61 | 34.7 | PASS |
| | | | | RB8#7 | 22.47 | 16.73 | 34.7 | PASS |
| | | | RB15#0 | 22.64 | 16.61 | 34.7 | PASS | |
| | | | MCH | RB1#0 | 23.71 | 17.98 | 34.7 | PASS |
| | | | | RB1#7 | 23.33 | 17.43 | 34.7 | PASS |
| RB1#14 | 23.57 | 17.81 | | 34.7 | PASS | | | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict | |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|------|
| | | | | RB8#0 | 22.67 | 16.66 | 34.7 | PASS | |
| | | | | RB8#4 | 22.58 | 16.78 | 34.7 | PASS | |
| | | | | RB8#7 | 22.62 | 16.78 | 34.7 | PASS | |
| | | | | RB15#0 | 22.63 | 16.84 | 34.7 | PASS | |
| | | | HCH | RB1#0 | 23.69 | 17.65 | 34.7 | PASS | |
| | | | | RB1#7 | 23.54 | 17.79 | 34.7 | PASS | |
| | | | | RB1#14 | 23.77 | 18.08 | 34.7 | PASS | |
| | | | | RB8#0 | 22.64 | 16.90 | 34.7 | PASS | |
| | | | | RB8#4 | 22.56 | 16.60 | 34.7 | PASS | |
| | | | | RB8#7 | 22.59 | 16.92 | 34.7 | PASS | |
| | | | | RB15#0 | 22.66 | 16.75 | 34.7 | PASS | |
| | | | | LCH | RB1#0 | 23.6 | 17.58 | 34.7 | PASS |
| | | | | | RB1#13 | 23.71 | 17.84 | 34.7 | PASS |
| | | | | | RB1#24 | 23.62 | 17.72 | 34.7 | PASS |
| | | RB12#0 | | | 22.69 | 17.03 | 34.7 | PASS | |
| | | RB12#6 | | | 22.67 | 16.64 | 34.7 | PASS | |
| | | RB12#13 | | | 22.75 | 17.10 | 34.7 | PASS | |
| | | RB25#0 | 22.65 | | 16.76 | 34.7 | PASS | | |
| | | MCH | RB1#0 | 23.67 | 17.69 | 34.7 | PASS | | |
| | | | RB1#13 | 23.62 | 17.81 | 34.7 | PASS | | |
| | | | RB1#24 | 23.66 | 17.89 | 34.7 | PASS | | |
| | | | RB12#0 | 22.68 | 16.82 | 34.7 | PASS | | |
| | | | RB12#6 | 22.66 | 16.85 | 34.7 | PASS | | |
| | | | RB12#13 | 22.72 | 16.96 | 34.7 | PASS | | |
| | | | RB25#0 | 22.63 | 16.84 | 34.7 | PASS | | |
| | | | HCH | RB1#0 | 23.6 | 17.87 | 34.7 | PASS | |
| | | | | RB1#13 | 23.62 | 17.72 | 34.7 | PASS | |
| | | | | RB1#24 | 23.63 | 17.76 | 34.7 | PASS | |
| | | | | RB12#0 | 22.68 | 16.86 | 34.7 | PASS | |
| | | | | RB12#6 | 22.69 | 16.72 | 34.7 | PASS | |
| | | RB12#13 | | 22.75 | 17.05 | 34.7 | PASS | | |
| | | 10 | LCH | RB25#0 | 22.77 | 16.95 | 34.7 | PASS | |
| | | | | RB1#0 | 23.78 | 18.00 | 34.7 | PASS | |
| RB1#25 | 23.67 | | | 17.84 | 34.7 | PASS | | | |
| | | | | RB1#49 | 23.66 | 17.96 | 34.7 | PASS | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict | | |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|------|------|
| | | | | RB25#0 | 22.67 | 16.79 | 34.7 | PASS | | |
| | | | | RB25#1 | 22.64 | 16.76 | 34.7 | PASS | | |
| | | | | RB25#2 | 22.69 | 16.82 | 34.7 | PASS | | |
| | | | | RB50#0 | 22.7 | 16.75 | 34.7 | PASS | | |
| | | | MCH | RB1#0 | 23.64 | 17.89 | 34.7 | PASS | | |
| | | | | RB1#25 | 23.69 | 17.72 | 34.7 | PASS | | |
| | | | | RB1#49 | 23.78 | 18.00 | 34.7 | PASS | | |
| | | | | RB25#0 | 22.73 | 16.93 | 34.7 | PASS | | |
| | | | | RB25#1 | 22.62 | 16.91 | 34.7 | PASS | | |
| | | | | RB25#2 | 22.66 | 16.83 | 34.7 | PASS | | |
| | | | | RB50#0 | 22.63 | 16.70 | 34.7 | PASS | | |
| | | | HCH | RB1#0 | 23.69 | 17.71 | 34.7 | PASS | | |
| | | | | RB1#25 | 23.51 | 17.65 | 34.7 | PASS | | |
| | | | | RB1#49 | 23.72 | 17.74 | 34.7 | PASS | | |
| | | | | RB25#0 | 22.68 | 16.83 | 34.7 | PASS | | |
| | | | | RB25#1 | 22.66 | 16.71 | 34.7 | PASS | | |
| | | | | RB25#2 | 22.68 | 16.92 | 34.7 | PASS | | |
| | | | | RB50#0 | 22.69 | 17.02 | 34.7 | PASS | | |
| | | | LTE/TM2 | 1.4 | LCH | RB1#0 | 22.82 | 17.12 | 34.7 | PASS |
| | | | | | | RB1#3 | 22.7 | 16.98 | 34.7 | PASS |
| | | | | | | RB1#5 | 22.76 | 16.77 | 34.7 | PASS |
| | RB3#0 | 22.73 | | | | 16.86 | 34.7 | PASS | | |
| | RB3#2 | 22.63 | | | | 16.71 | 34.7 | PASS | | |
| | RB3#3 | 22.72 | | | | 16.83 | 34.7 | PASS | | |
| | RB6#0 | 21.56 | | | | 15.51 | 34.7 | PASS | | |
| | MCH | RB1#0 | | | 22.81 | 16.77 | 34.7 | PASS | | |
| | | RB1#3 | | | 22.54 | 16.60 | 34.7 | PASS | | |
| | | RB1#5 | | | 22.91 | 17.00 | 34.7 | PASS | | |
| | | RB3#0 | | | 22.65 | 16.86 | 34.7 | PASS | | |
| | | RB3#2 | | | 22.7 | 16.73 | 34.7 | PASS | | |
| RB3#3 | | 22.71 | | | 16.86 | 34.7 | PASS | | | |
| RB6#0 | | 21.58 | | | 15.62 | 34.7 | PASS | | | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| | | 3 | HCH | RB1#0 | 22.57 | 16.85 | 34.7 | PASS |
| | | | | RB1#3 | 22.15 | 16.34 | 34.7 | PASS |
| | | | | RB1#5 | 22.53 | 16.52 | 34.7 | PASS |
| | | | | RB3#0 | 22.6 | 16.92 | 34.7 | PASS |
| | | | | RB3#2 | 22.51 | 16.53 | 34.7 | PASS |
| | | | | RB3#3 | 22.42 | 16.61 | 34.7 | PASS |
| | | | | RB6#0 | 21.59 | 15.82 | 34.7 | PASS |
| | | 3 | LCH | RB1#0 | 22.65 | 16.80 | 34.7 | PASS |
| | | | | RB1#7 | 22.16 | 16.18 | 34.7 | PASS |
| | | | | RB1#14 | 22.77 | 17.03 | 34.7 | PASS |
| | | | | RB8#0 | 21.61 | 15.65 | 34.7 | PASS |
| | | | | RB8#4 | 21.65 | 15.81 | 34.7 | PASS |
| | | | | RB8#7 | 21.71 | 15.96 | 34.7 | PASS |
| | | | | RB15#0 | 21.69 | 15.85 | 34.7 | PASS |
| | | 3 | MCH | RB1#0 | 22.66 | 17.01 | 34.7 | PASS |
| | | | | RB1#7 | 22.28 | 16.27 | 34.7 | PASS |
| | | | | RB1#14 | 22.68 | 16.89 | 34.7 | PASS |
| | | | | RB8#0 | 21.61 | 15.73 | 34.7 | PASS |
| | | | | RB8#4 | 21.63 | 15.94 | 34.7 | PASS |
| | | | | RB8#7 | 21.7 | 16.04 | 34.7 | PASS |
| | | | | RB15#0 | 21.65 | 15.89 | 34.7 | PASS |
| | | 3 | HCH | RB1#0 | 22.9 | 16.93 | 34.7 | PASS |
| | | | | RB1#7 | 22.39 | 16.53 | 34.7 | PASS |
| | | | | RB1#14 | 23.05 | 17.39 | 34.7 | PASS |
| | | | | RB8#0 | 21.74 | 16.08 | 34.7 | PASS |
| | | | | RB8#4 | 21.66 | 16.01 | 34.7 | PASS |
| | | | | RB8#7 | 21.63 | 15.84 | 34.7 | PASS |
| | | | | RB15#0 | 21.66 | 15.64 | 34.7 | PASS |
| | | 5 | LCH | RB1#0 | 22.67 | 16.75 | 34.7 | PASS |
| | | | | RB1#13 | 22.74 | 17.08 | 34.7 | PASS |
| | | | | RB1#24 | 22.77 | 16.90 | 34.7 | PASS |
| | | | | RB12#0 | 21.74 | 16.01 | 34.7 | PASS |
| | | | | RB12#6 | 21.61 | 15.60 | 34.7 | PASS |
| RB12#13 | 21.72 | | | 15.99 | 34.7 | PASS | | |
| RB25#0 | 21.54 | | | 15.84 | 34.7 | PASS | | |
| MCH | RB1#0 | | 22.73 | 16.89 | 34.7 | PASS | | |
| | RB1#13 | | 22.75 | 16.77 | 34.7 | PASS | | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| | | 10 | | RB1#24 | 22.89 | 16.85 | 34.7 | PASS |
| | | | | RB12#0 | 21.6 | 15.71 | 34.7 | PASS |
| | | | | RB12#6 | 21.66 | 15.90 | 34.7 | PASS |
| | | | | RB12#13 | 21.7 | 15.76 | 34.7 | PASS |
| | | | | RB25#0 | 21.67 | 15.81 | 34.7 | PASS |
| | | | HCH | RB1#0 | 23.19 | 17.42 | 34.7 | PASS |
| | | | | RB1#13 | 23.17 | 17.21 | 34.7 | PASS |
| | | | | RB1#24 | 22.97 | 17.18 | 34.7 | PASS |
| | | | | RB12#0 | 21.62 | 15.86 | 34.7 | PASS |
| | | | | RB12#6 | 21.59 | 15.94 | 34.7 | PASS |
| | | | | RB12#13 | 21.65 | 15.98 | 34.7 | PASS |
| | | | RB25#0 | 21.64 | 15.66 | 34.7 | PASS | |
| | | | LCH | RB1#0 | 22.9 | 17.00 | 34.7 | PASS |
| | | | | RB1#25 | 22.69 | 16.94 | 34.7 | PASS |
| | | | | RB1#49 | 22.94 | 17.02 | 34.7 | PASS |
| | | RB25#0 | | 21.6 | 15.79 | 34.7 | PASS | |
| | | RB25#13 | | 21.58 | 15.90 | 34.7 | PASS | |
| | | RB25#25 | | 21.6 | 15.82 | 34.7 | PASS | |
| | | RB50#0 | | 21.73 | 15.81 | 34.7 | PASS | |
| | | MCH | RB1#0 | 22.8 | 17.08 | 34.7 | PASS | |
| | | | RB1#25 | 22.44 | 16.71 | 34.7 | PASS | |
| | | | RB1#49 | 22.88 | 16.97 | 34.7 | PASS | |
| | | | RB25#0 | 21.65 | 15.63 | 34.7 | PASS | |
| | | | RB25#13 | 21.68 | 15.97 | 34.7 | PASS | |
| | | | RB25#25 | 21.71 | 15.97 | 34.7 | PASS | |
| | | | RB50#0 | 21.67 | 15.76 | 34.7 | PASS | |
| | | HCH | RB1#0 | 23 | 17.31 | 34.7 | PASS | |
| | | | RB1#25 | 22.69 | 16.72 | 34.7 | PASS | |
| | | | RB1#49 | 22.96 | 17.21 | 34.7 | PASS | |
| | | | RB25#0 | 21.55 | 15.82 | 34.7 | PASS | |
| RB25#13 | 21.5 | | 15.77 | 34.7 | PASS | | | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| | | | | RB25#25 | 21.6 | 15.76 | 34.7 | PASS |
| | | | | RB50#0 | 21.61 | 15.68 | 34.7 | PASS |

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP = Signal Generator Level

Note2:

$$\text{SET Span} = 1.5 * \text{OBW}$$

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed 1MHz}$$

$$\text{SET VBW} \geq 3 * \text{RBW}$$

SET Sweep time = auto - couple.

Detector: RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| BAND12 | LTE/TM1 | 1.4 | LCH | RB1#0 | 4.17 | 13 | PASS |
| | | | | RB1#3 | 4.14 | 13 | PASS |
| | | | | RB1#5 | 3.98 | 13 | PASS |
| | | | | RB3#0 | 4.7 | 13 | PASS |
| | | | | RB3#2 | 4.57 | 13 | PASS |
| | | | | RB3#3 | 4.46 | 13 | PASS |
| | | | RB6#0 | 5.45 | 13 | PASS | |
| | | | MCH | RB1#0 | 4.49 | 13 | PASS |
| | | | | RB1#3 | 4.54 | 13 | PASS |
| | | | | RB1#5 | 4.42 | 13 | PASS |
| | | | | RB3#0 | 5.17 | 13 | PASS |
| | | | | RB3#2 | 5.11 | 13 | PASS |
| | | | | RB3#3 | 5.18 | 13 | PASS |
| | | | HCH | RB6#0 | 5.86 | 13 | PASS |
| | | | | RB1#0 | 3.83 | 13 | PASS |
| | | | | RB1#3 | 3.94 | 13 | PASS |
| | | | | RB1#5 | 3.81 | 13 | PASS |
| | | | | RB3#0 | 4.23 | 13 | PASS |
| | | RB3#2 | | 4.31 | 13 | PASS | |
| | | 3 | LCH | RB3#3 | 4.33 | 13 | PASS |
| | | | | RB6#0 | 5.36 | 13 | PASS |
| | | | | RB1#0 | 4.11 | 13 | PASS |
| | | | | RB1#7 | 4.22 | 13 | PASS |
| | | | | RB1#14 | 3.96 | 13 | PASS |
| | | | | RB8#0 | 5.46 | 13 | PASS |
| | | | MCH | RB8#4 | 5.22 | 13 | PASS |
| | | | | RB8#7 | 5.35 | 13 | PASS |
| | | | | RB15#0 | 5.58 | 13 | PASS |
| RB8#0 | 5.57 | | | 13 | PASS | | |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict | |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|------|
| | | | | RB8#4 | 5.54 | 13 | PASS | |
| | | | | RB8#7 | 5.65 | 13 | PASS | |
| | | | | RB15#0 | 5.79 | 13 | PASS | |
| | | | HCH | RB1#0 | 4.1 | 13 | PASS | |
| | | | | RB1#7 | 4.29 | 13 | PASS | |
| | | | | RB1#14 | 3.88 | 13 | PASS | |
| | | | | RB8#0 | 4.98 | 13 | PASS | |
| | | | | RB8#4 | 4.91 | 13 | PASS | |
| | | | | RB8#7 | 5.07 | 13 | PASS | |
| | | | RB15#0 | 5.57 | 13 | PASS | | |
| | | | 5 | LCH | RB1#0 | 3.93 | 13 | PASS |
| | | | | | RB1#13 | 4.16 | 13 | PASS |
| | | | | | RB1#24 | 4.42 | 13 | PASS |
| | | | | | RB12#0 | 5.27 | 13 | PASS |
| | | | | | RB12#6 | 5.17 | 13 | PASS |
| | | RB12#13 | | | 5.35 | 13 | PASS | |
| | | RB25#0 | | 5.62 | 13 | PASS | | |
| | | MCH | | RB1#0 | 4.48 | 13 | PASS | |
| | | | | RB1#13 | 4.58 | 13 | PASS | |
| | | | | RB1#24 | 4.53 | 13 | PASS | |
| | | | | RB12#0 | 5.75 | 13 | PASS | |
| | | | | RB12#6 | 5.8 | 13 | PASS | |
| | | | RB12#13 | 5.85 | 13 | PASS | | |
| | | RB25#0 | 6 | 13 | PASS | | | |
| | | HCH | RB1#0 | 4.5 | 13 | PASS | | |
| | | | RB1#13 | 3.98 | 13 | PASS | | |
| | | | RB1#24 | 3.88 | 13 | PASS | | |
| | | | RB12#0 | 5.3 | 13 | PASS | | |
| | | | RB12#6 | 5.07 | 13 | PASS | | |
| | | | RB12#13 | 5.11 | 13 | PASS | | |
| | | | RB25#0 | 5.51 | 13 | PASS | | |
| | | 10 | LCH | RB1#0 | 3.97 | 13 | PASS | |
| | | | | RB1#25 | 4.35 | 13 | PASS | |
| RB1#49 | 4.58 | | | 13 | PASS | | | |
| RB25#0 | 5.34 | | | 13 | PASS | | | |
| RB25#13 | 5.49 | | | 13 | PASS | | | |
| RB25#25 | 5.74 | | | 13 | PASS | | | |
| RB50#0 | 5.98 | | | 13 | PASS | | | |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| | LTE/TM2 | 1.4 | MCH | RB1#0 | 4.17 | 13 | PASS |
| | | | | RB1#25 | 4.52 | 13 | PASS |
| | | | | RB1#49 | 4.15 | 13 | PASS |
| | | | | RB25#0 | 5.49 | 13 | PASS |
| | | | | RB25#13 | 5.67 | 13 | PASS |
| | | | | RB25#25 | 5.63 | 13 | PASS |
| | | | | RB50#0 | 6.07 | 13 | PASS |
| | | | HCH | RB1#0 | 4.34 | 13 | PASS |
| | | | | RB1#25 | 4.32 | 13 | PASS |
| | | | | RB1#49 | 3.69 | 13 | PASS |
| | | | | RB25#0 | 5.72 | 13 | PASS |
| | | | | RB25#13 | 5.56 | 13 | PASS |
| | | | | RB25#25 | 5.3 | 13 | PASS |
| | | | | RB50#0 | 5.78 | 13 | PASS |
| | LCH | RB1#0 | 5.16 | 13 | PASS | | |
| | | RB1#3 | 5.19 | 13 | PASS | | |
| | | RB1#5 | 4.98 | 13 | PASS | | |
| | | RB3#0 | 5.51 | 13 | PASS | | |
| | | RB3#2 | 5.85 | 13 | PASS | | |
| | | RB3#3 | 5.54 | 13 | PASS | | |
| | | RB6#0 | 6.47 | 13 | PASS | | |
| | | MCH | RB1#0 | 5.53 | 13 | PASS | |
| | | | RB1#3 | 5.51 | 13 | PASS | |
| | | | RB1#5 | 5.51 | 13 | PASS | |
| | | | RB3#0 | 6.12 | 13 | PASS | |
| | | | RB3#2 | 6.16 | 13 | PASS | |
| | | | RB3#3 | 6.06 | 13 | PASS | |
| | | | RB6#0 | 6.63 | 13 | PASS | |
| | | HCH | RB1#0 | 4.94 | 13 | PASS | |
| | | | RB1#3 | 5.05 | 13 | PASS | |
| RB1#5 | 4.8 | | 13 | PASS | | | |
| RB3#0 | 5.16 | | 13 | PASS | | | |
| RB3#2 | 5.43 | | 13 | PASS | | | |
| RB3#3 | 5.17 | | 13 | PASS | | | |
| RB6#0 | 6.31 | | 13 | PASS | | | |
| LCH | RB1#0 | 5.17 | 13 | PASS | | | |
| | RB1#7 | 5.08 | 13 | PASS | | | |
| | RB1#14 | 5.02 | 13 | PASS | | | |
| | | 3 | | | | | |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict | |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|------|
| | | | | RB8#0 | 6.09 | 13 | PASS | |
| | | | | RB8#4 | 6.02 | 13 | PASS | |
| | | | | RB8#7 | 6.06 | 13 | PASS | |
| | | | | RB15#0 | 6.41 | 13 | PASS | |
| | | | MCH | RB1#0 | 5.44 | 13 | PASS | |
| | | | | RB1#7 | 5.45 | 13 | PASS | |
| | | | | RB1#14 | 5.5 | 13 | PASS | |
| | | | | RB8#0 | 6.51 | 13 | PASS | |
| | | | | RB8#4 | 6.48 | 13 | PASS | |
| | | | | RB8#7 | 6.48 | 13 | PASS | |
| | | | HCH | RB15#0 | 6.57 | 13 | PASS | |
| | | | | RB1#0 | 4.9 | 13 | PASS | |
| | | | | RB1#7 | 4.97 | 13 | PASS | |
| | | | | RB1#14 | 4.64 | 13 | PASS | |
| | | | | RB8#0 | 6.32 | 13 | PASS | |
| | | RB8#4 | | 6.1 | 13 | PASS | | |
| | | 5 | LCH | | RB8#7 | 6.08 | 13 | PASS |
| | | | | | RB15#0 | 6.2 | 13 | PASS |
| | | | | | RB1#0 | 5.02 | 13 | PASS |
| | | | | | RB1#13 | 5.06 | 13 | PASS |
| | | | | | RB1#24 | 5.42 | 13 | PASS |
| | | | | | RB12#0 | 6.16 | 13 | PASS |
| | | | MCH | RB12#6 | 6.09 | 13 | PASS | |
| | | | | RB12#13 | 6.3 | 13 | PASS | |
| | | | | RB25#0 | 6.49 | 13 | PASS | |
| | | | | RB1#0 | 5.31 | 13 | PASS | |
| | | | | RB1#13 | 5.34 | 13 | PASS | |
| | | | | RB1#24 | 5.57 | 13 | PASS | |
| | | | HCH | RB12#0 | 6.78 | 13 | PASS | |
| | | | | RB12#6 | 6.77 | 13 | PASS | |
| RB12#13 | 6.75 | | | 13 | PASS | | | |
| RB25#0 | 6.91 | 13 | | PASS | | | | |
| RB1#0 | 4.97 | 13 | | PASS | | | | |
| RB1#13 | 4.71 | 13 | | PASS | | | | |
| | RB1#24 | 4.5 | 13 | PASS | | | | |
| | RB12#0 | 6.2 | 13 | PASS | | | | |
| | RB12#6 | 6.03 | 13 | PASS | | | | |
| | RB12#13 | 5.99 | 13 | PASS | | | | |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| | | | | RB25#0 | 6.54 | 13 | PASS |
| | | 10 | LCH | RB1#0 | 5.09 | 13 | PASS |
| | | | | RB1#25 | 5.65 | 13 | PASS |
| | | | | RB1#49 | 5.79 | 13 | PASS |
| | | | | RB25#0 | 6.27 | 13 | PASS |
| | | | | RB25#13 | 6.5 | 13 | PASS |
| | | | | RB25#25 | 6.68 | 13 | PASS |
| | | | | RB50#0 | 6.83 | 13 | PASS |
| | | | MCH | RB1#0 | 5.21 | 13 | PASS |
| | | | | RB1#25 | 5.69 | 13 | PASS |
| | | | | RB1#49 | 5.31 | 13 | PASS |
| | | | | RB25#0 | 6.54 | 13 | PASS |
| | | | | RB25#13 | 6.62 | 13 | PASS |
| | | | | RB25#25 | 6.66 | 13 | PASS |
| | | | | RB50#0 | 7.05 | 13 | PASS |
| | | | HCH | RB1#0 | 5.35 | 13 | PASS |
| | | | | RB1#25 | 5.29 | 13 | PASS |
| | | | | RB1#49 | 4.75 | 13 | PASS |
| | | | | RB25#0 | 6.63 | 13 | PASS |
| | | | | RB25#13 | 6.42 | 13 | PASS |
| | | | | RB25#25 | 6.24 | 13 | PASS |
| | | | | RB50#0 | 6.85 | 13 | PASS |

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

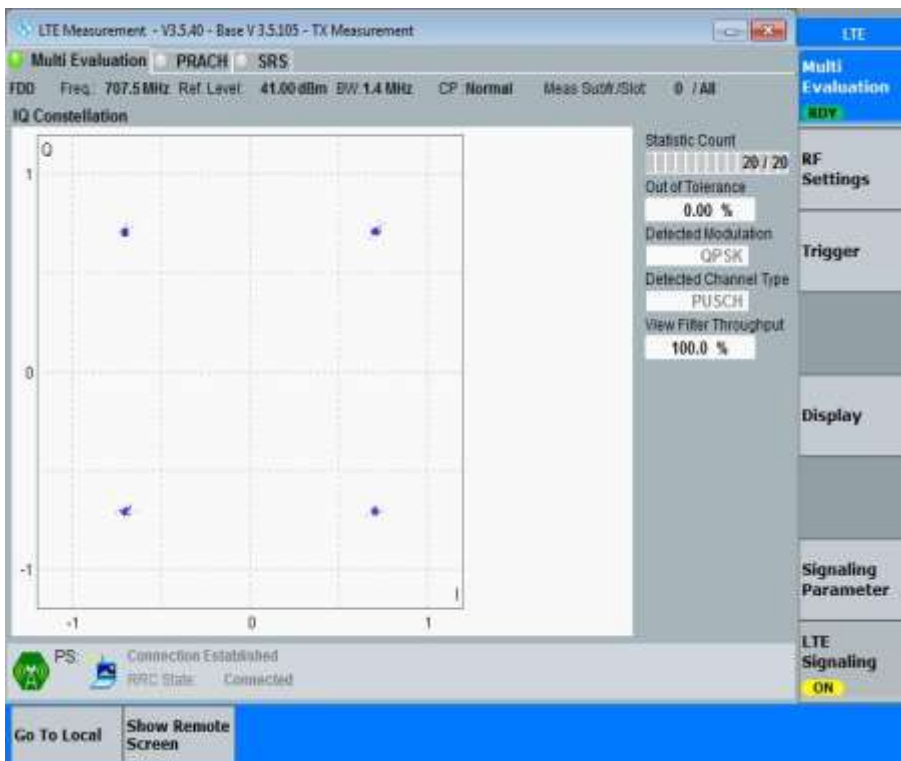
3.1.1 Test Band = BAND12

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.1.1.1.1 Test Channel = MCH

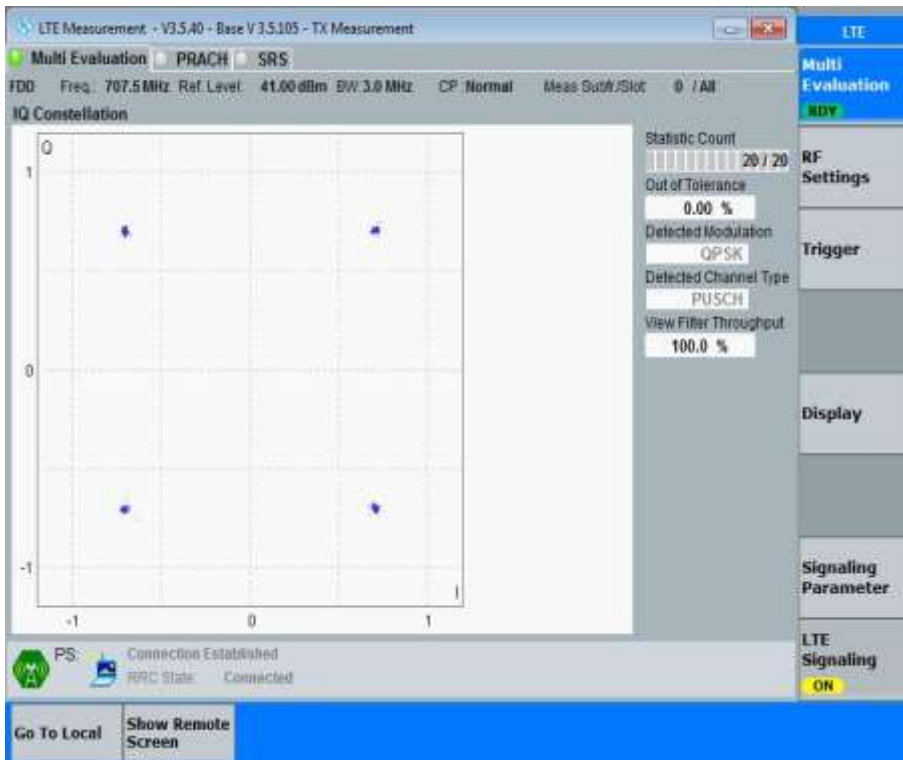
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

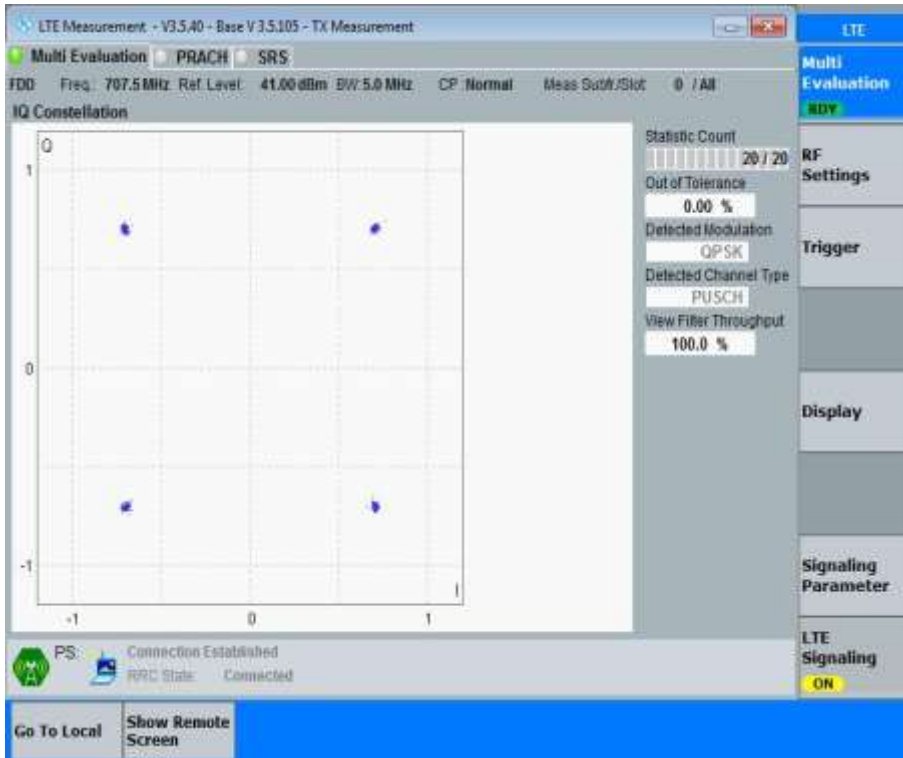
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

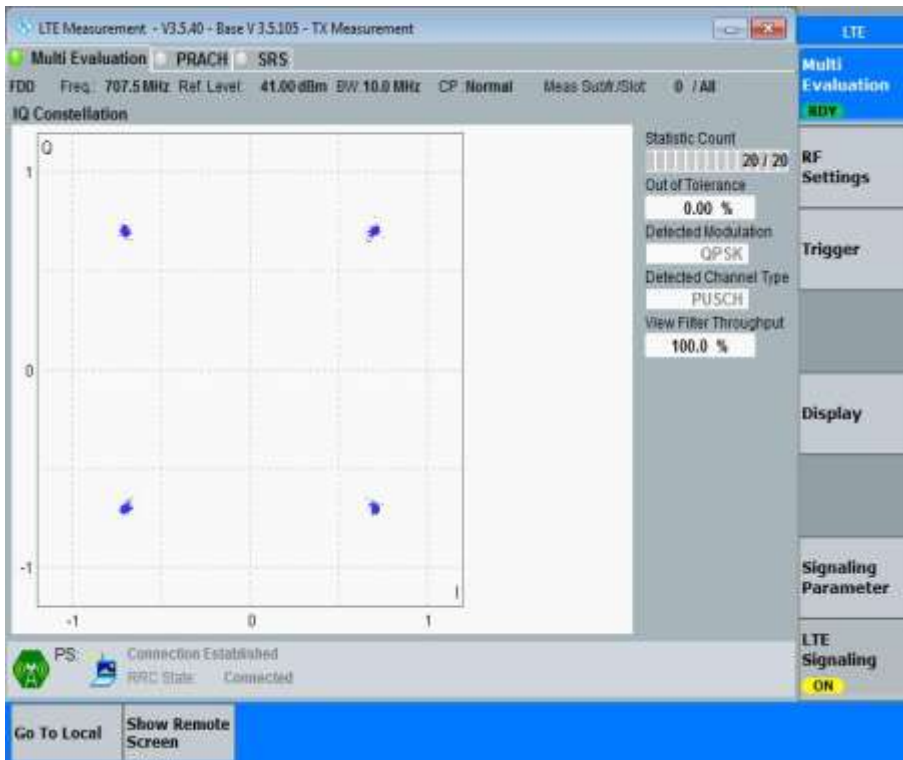
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB50#0

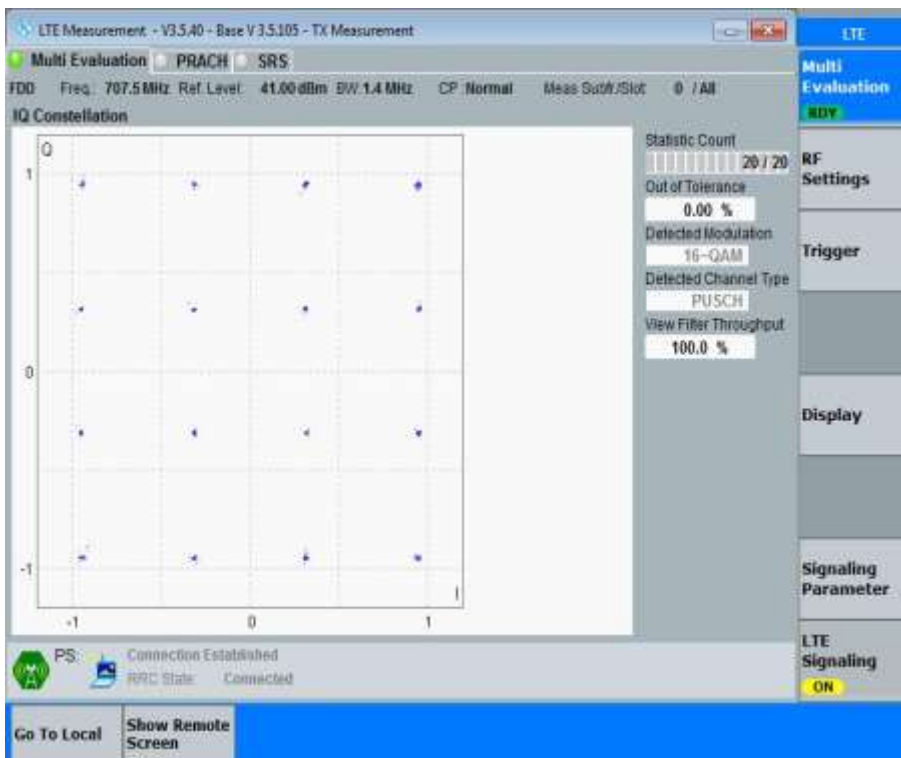


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

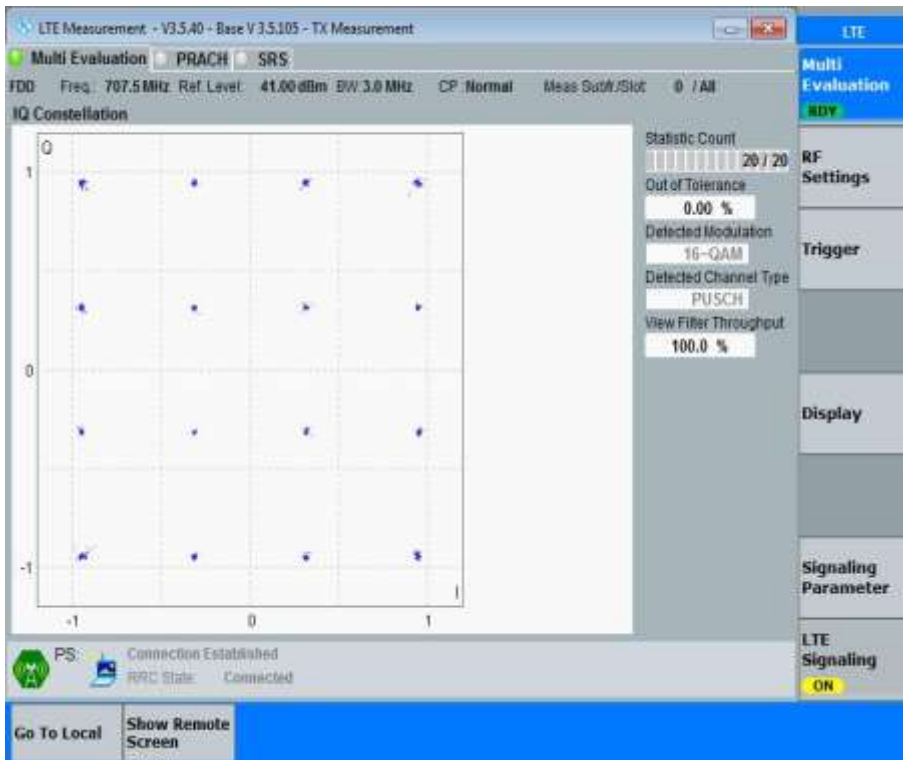
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

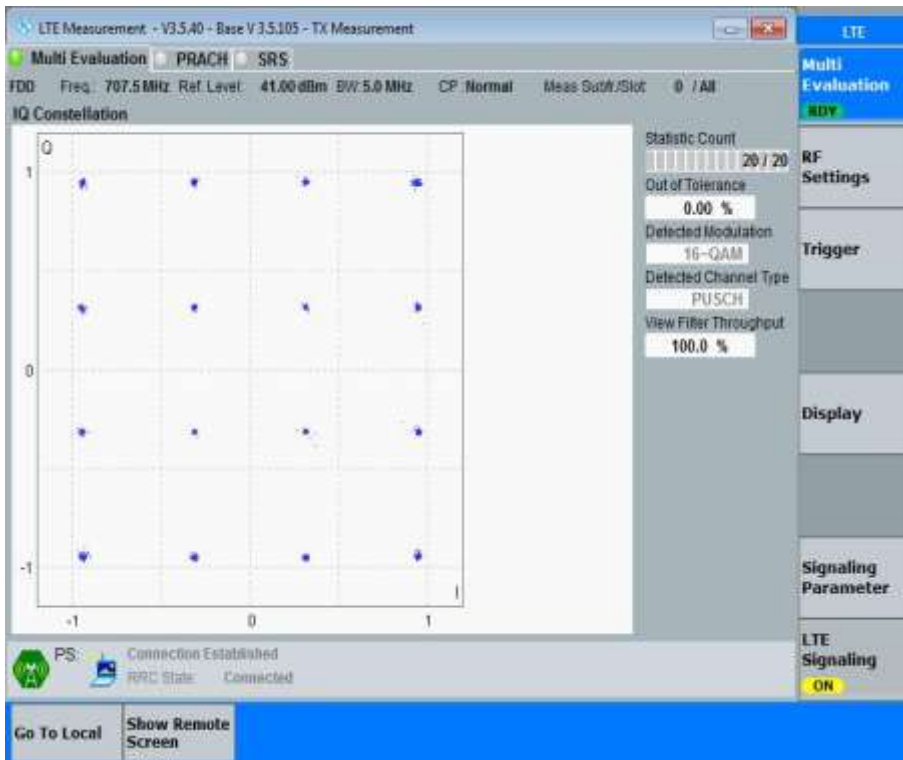
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

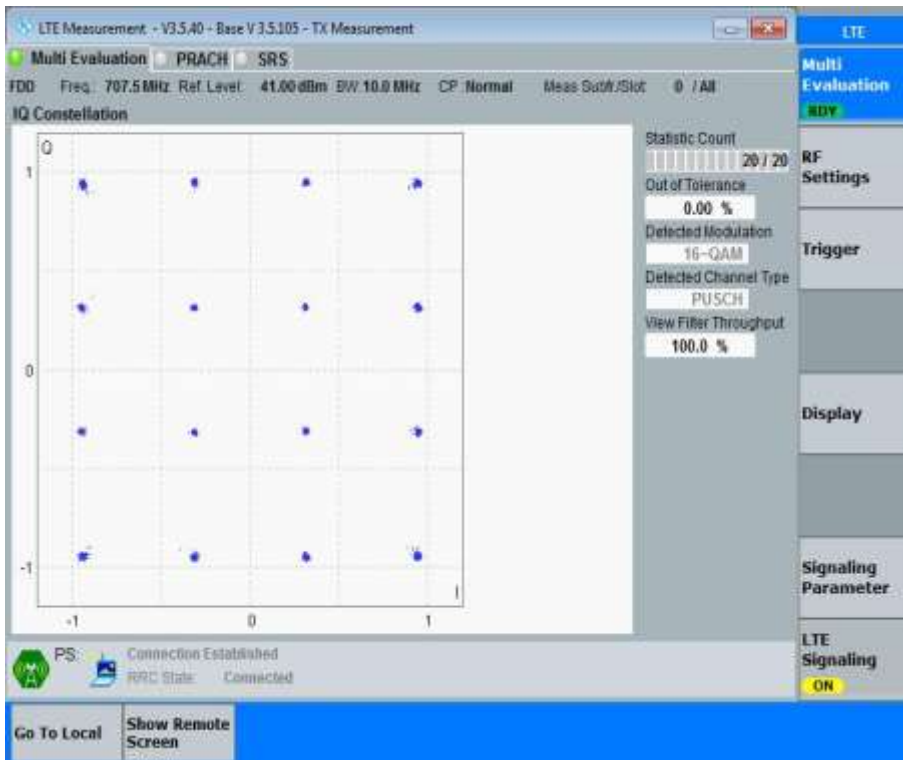
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB50#0





4Appendix_D: Bandwidth

Part I - Test Results

| Test Band | Test Mode | Test Bandwidth | Test Channel | Test RB | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| BAND12 | LTE/TM1 | 1.4 | LCH | RB6#0 | 1.09 | 1.24 | Pass |
| | | | MCH | RB6#0 | 1.09 | 1.24 | Pass |
| | | | HCH | RB6#0 | 1.10 | 1.25 | Pass |
| | | 3 | LCH | RB15#0 | 2.71 | 2.98 | Pass |
| | | | MCH | RB15#0 | 2.70 | 2.99 | Pass |
| | | | HCH | RB15#0 | 2.72 | 2.99 | Pass |
| | | 5 | LCH | RB25#0 | 4.54 | 4.98 | Pass |
| | | | MCH | RB25#0 | 4.53 | 4.97 | Pass |
| | | | HCH | RB25#0 | 4.53 | 4.97 | Pass |
| | | 10 | LCH | RB50#0 | 9.03 | 9.93 | Pass |
| | | | MCH | RB50#0 | 9.00 | 9.90 | Pass |
| | | | HCH | RB50#0 | 8.97 | 9.89 | Pass |
| | LTE/TM2 | 1.4 | LCH | RB6#0 | 1.09 | 1.24 | Pass |
| | | | MCH | RB6#0 | 1.09 | 1.24 | Pass |
| | | | HCH | RB6#0 | 1.10 | 1.23 | Pass |
| | | 3 | LCH | RB15#0 | 2.71 | 2.99 | Pass |
| | | | MCH | RB15#0 | 2.71 | 2.99 | Pass |
| | | | HCH | RB15#0 | 2.72 | 2.97 | Pass |
| | | 5 | LCH | RB25#0 | 4.52 | 4.94 | Pass |
| | | | MCH | RB25#0 | 4.52 | 4.98 | Pass |
| | | | HCH | RB25#0 | 4.52 | 4.98 | Pass |
| | | 10 | LCH | RB50#0 | 9.03 | 9.93 | Pass |
| | | | MCH | RB50#0 | 9.02 | 9.94 | Pass |
| | | | HCH | RB50#0 | 8.99 | 9.88 | Pass |

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = BAND12

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0



4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB6#0



4.1.1.1.1.3 Test Channel = HCH

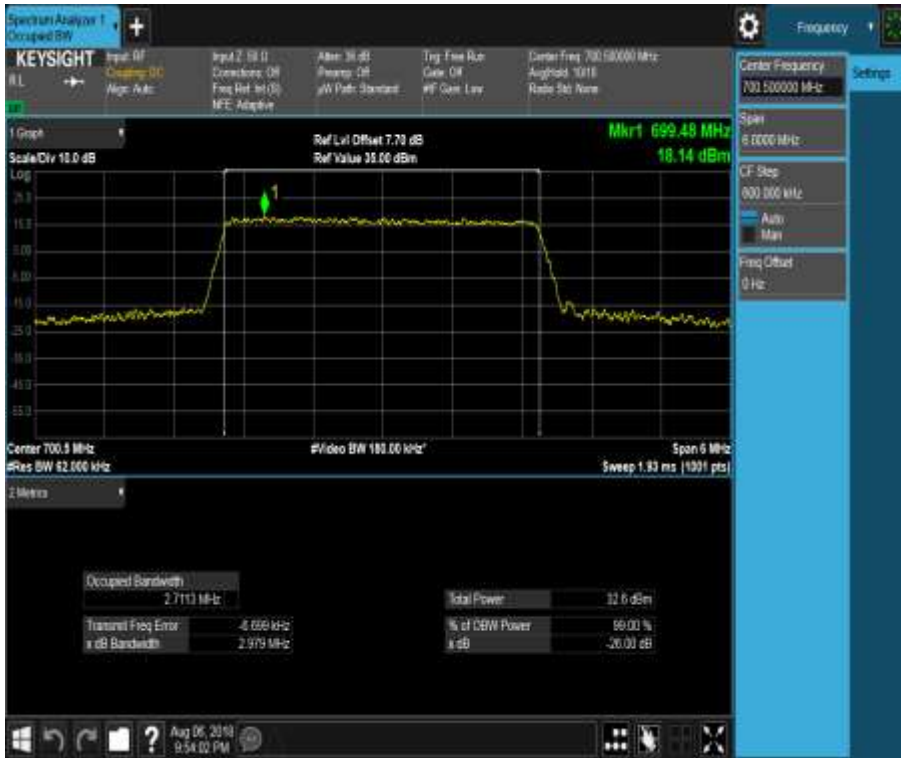
4.1.1.1.1.3.1 Test RB = RB6#0



4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



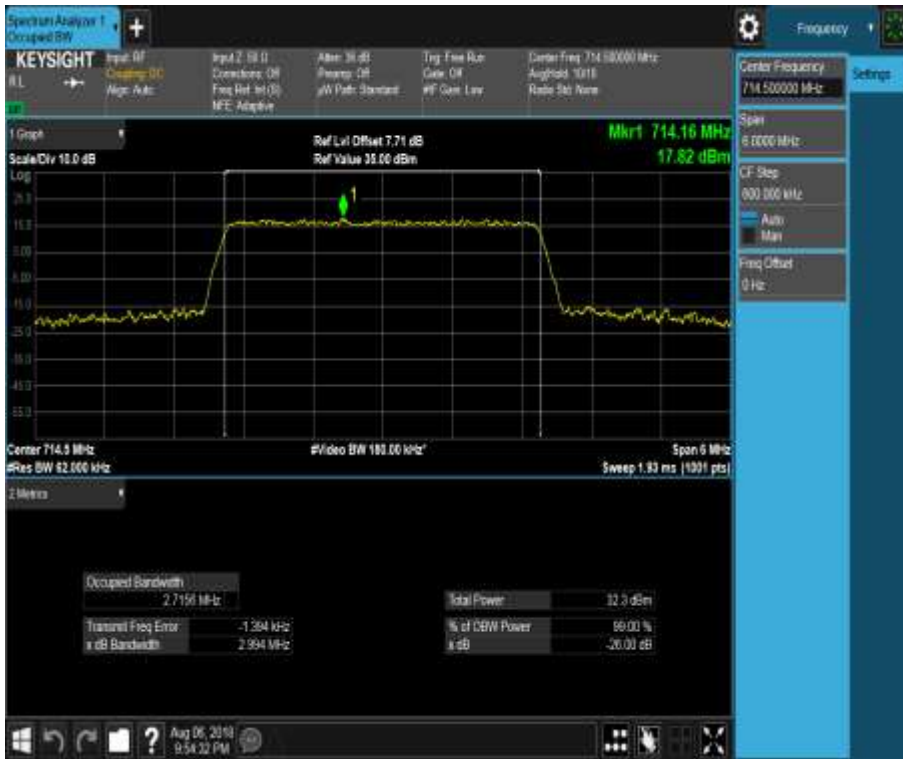
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0



4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0



4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0



4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0



4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB50#0



4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0



4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0



4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0



4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0



4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0



4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0



4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0



4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0



4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0



4.1.1.2.4.2 Test Channel = MCH

4.1.1.2.4.2.1 Test RB = RB50#0



4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

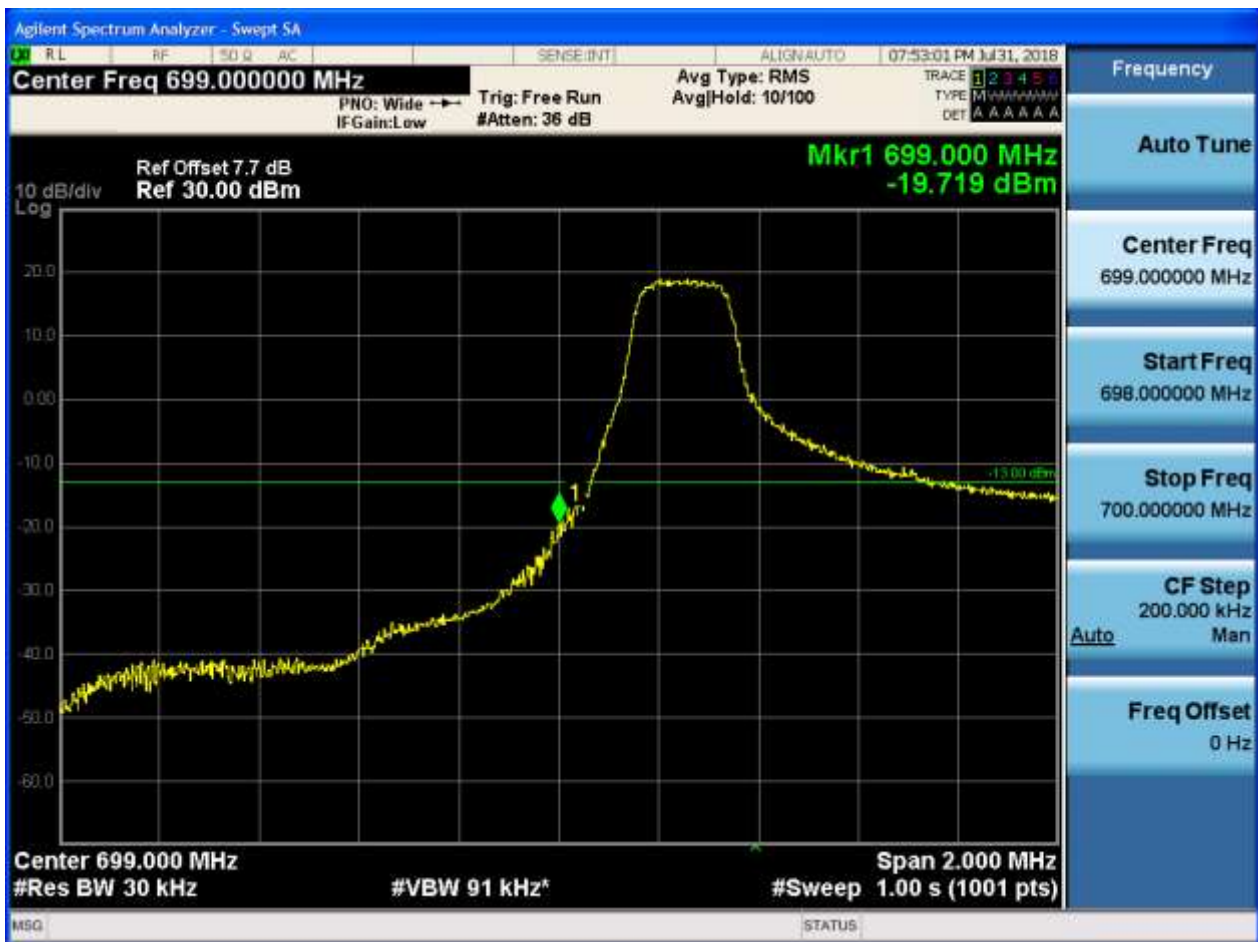
5.1.1 Test Band = BAND12

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#5





5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.1.2.4 Test RB = RB6#0





5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14





5.1.1.1.2.1.3 Test RB = RB8#4





5.1.1.1.2.1.4 Test RB = RB15#0





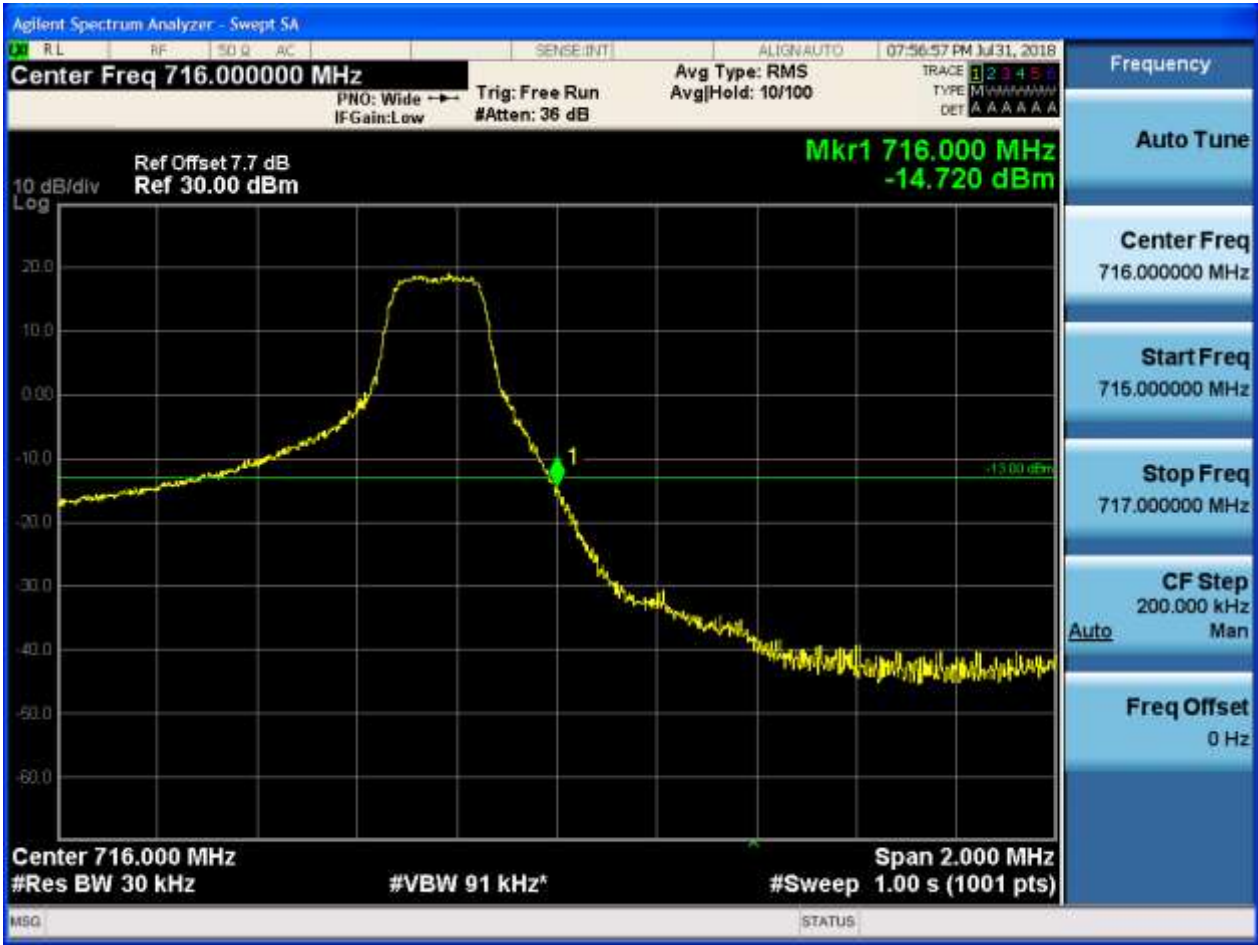
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#14



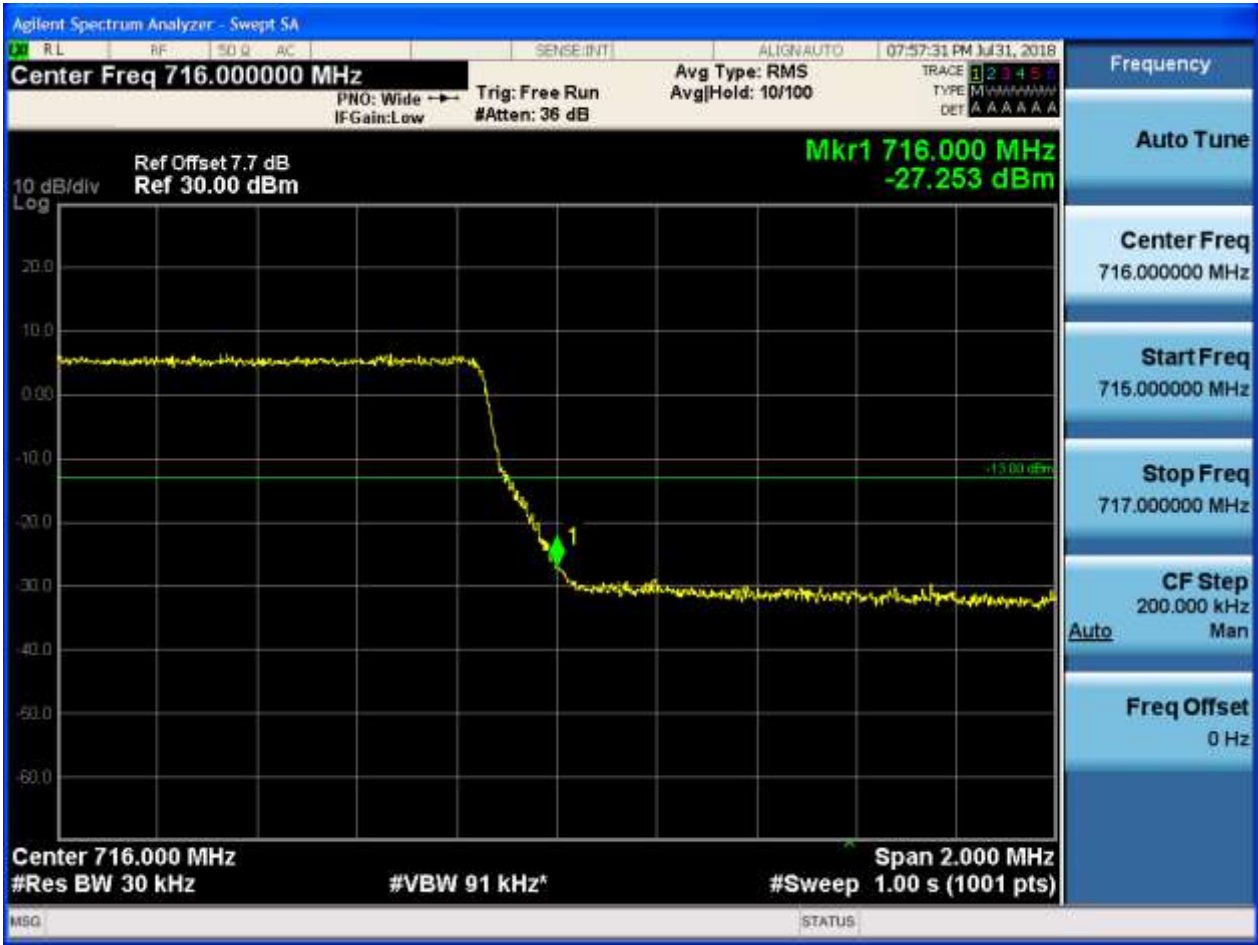


5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0





5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24





5.1.1.1.3.1.3 Test RB = RB12#6





5.1.1.1.3.1.4 Test RB = RB25#0





5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





5.1.1.1.3.2.3 Test RB = RB12#6





5.1.1.1.3.2.4 Test RB = RB25#0





5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





5.1.1.1.4.1.4 Test RB = RB50#0





5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0



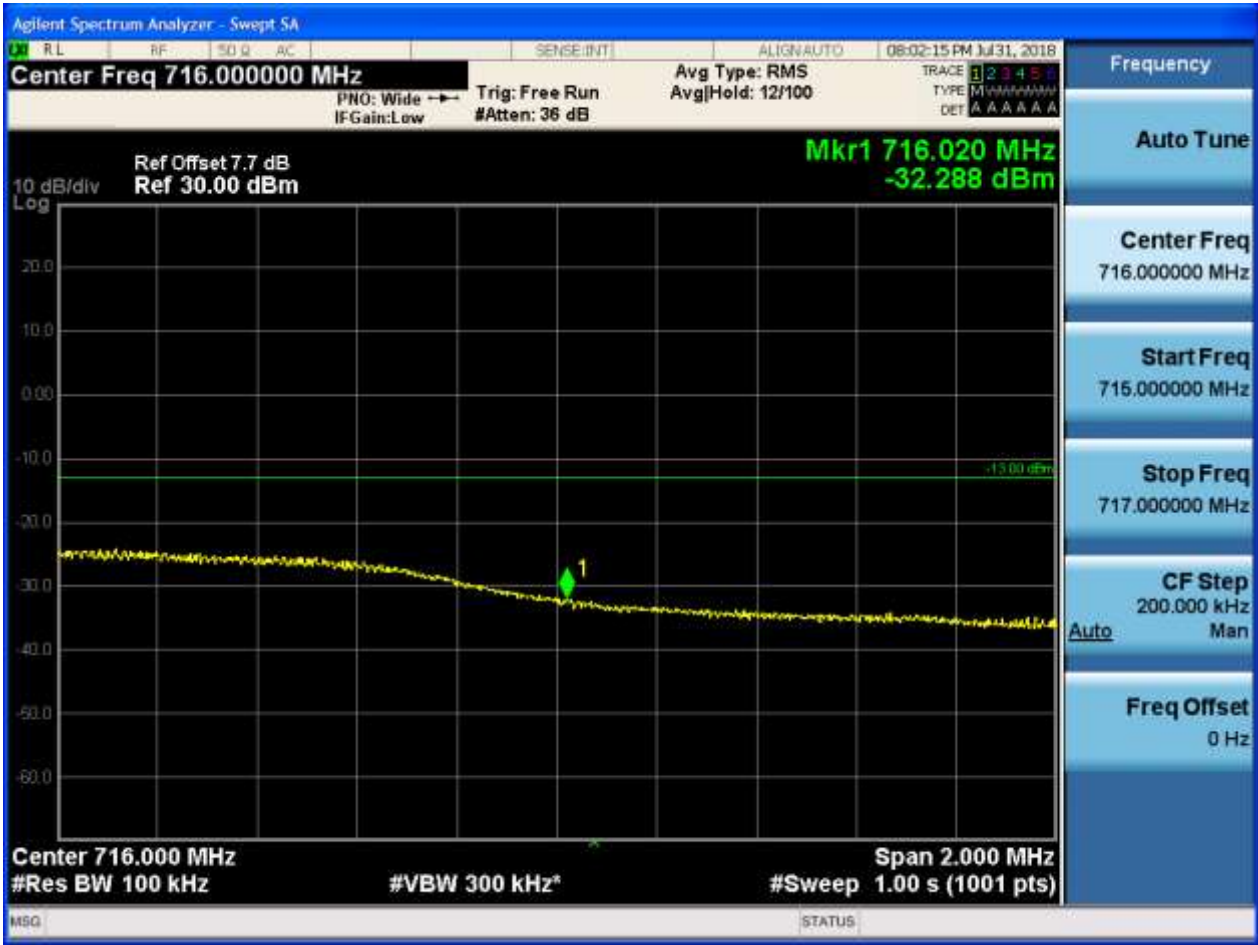


5.1.1.1.4.2.2 Test RB = RB1#49





5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0





5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#5



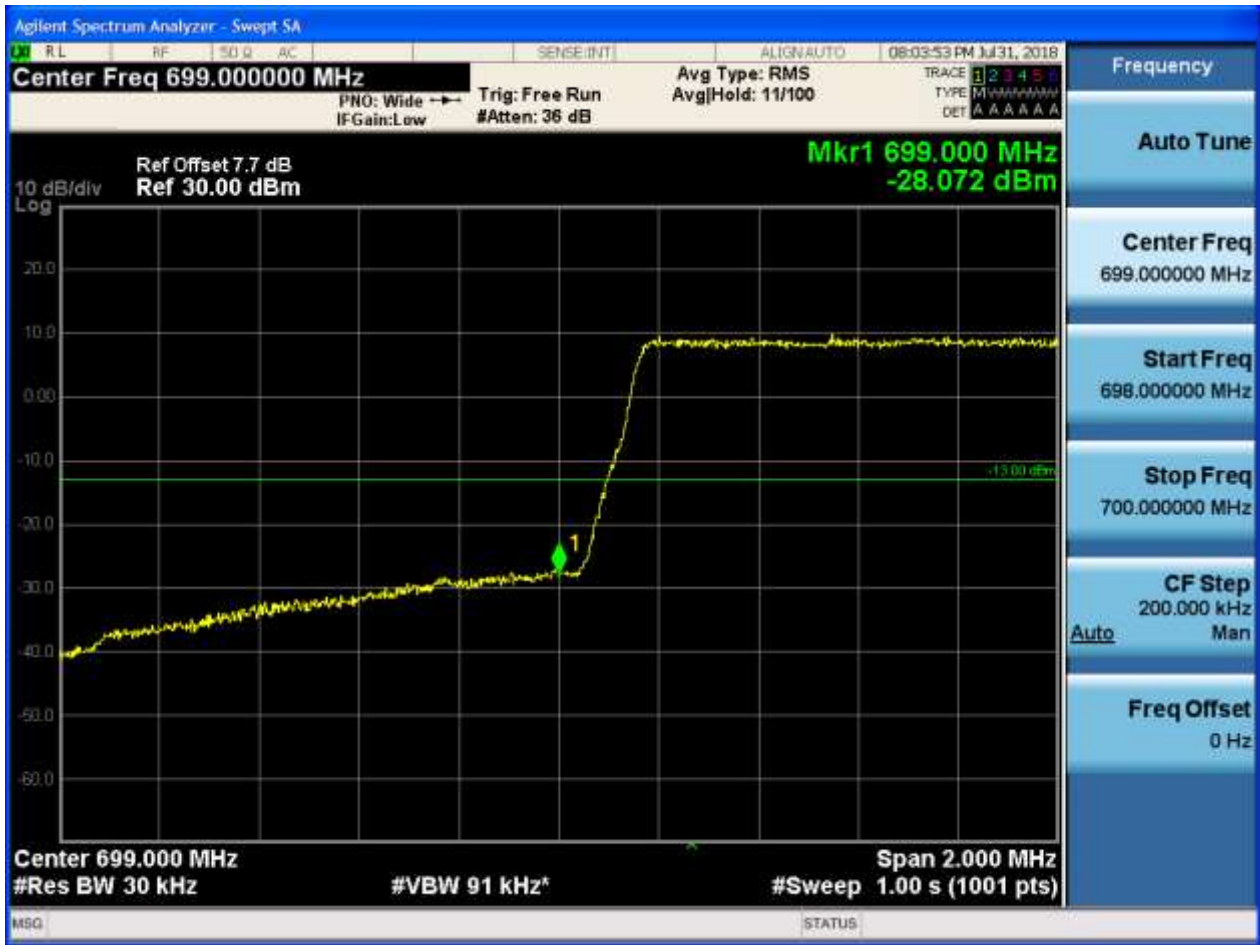


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0





5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5



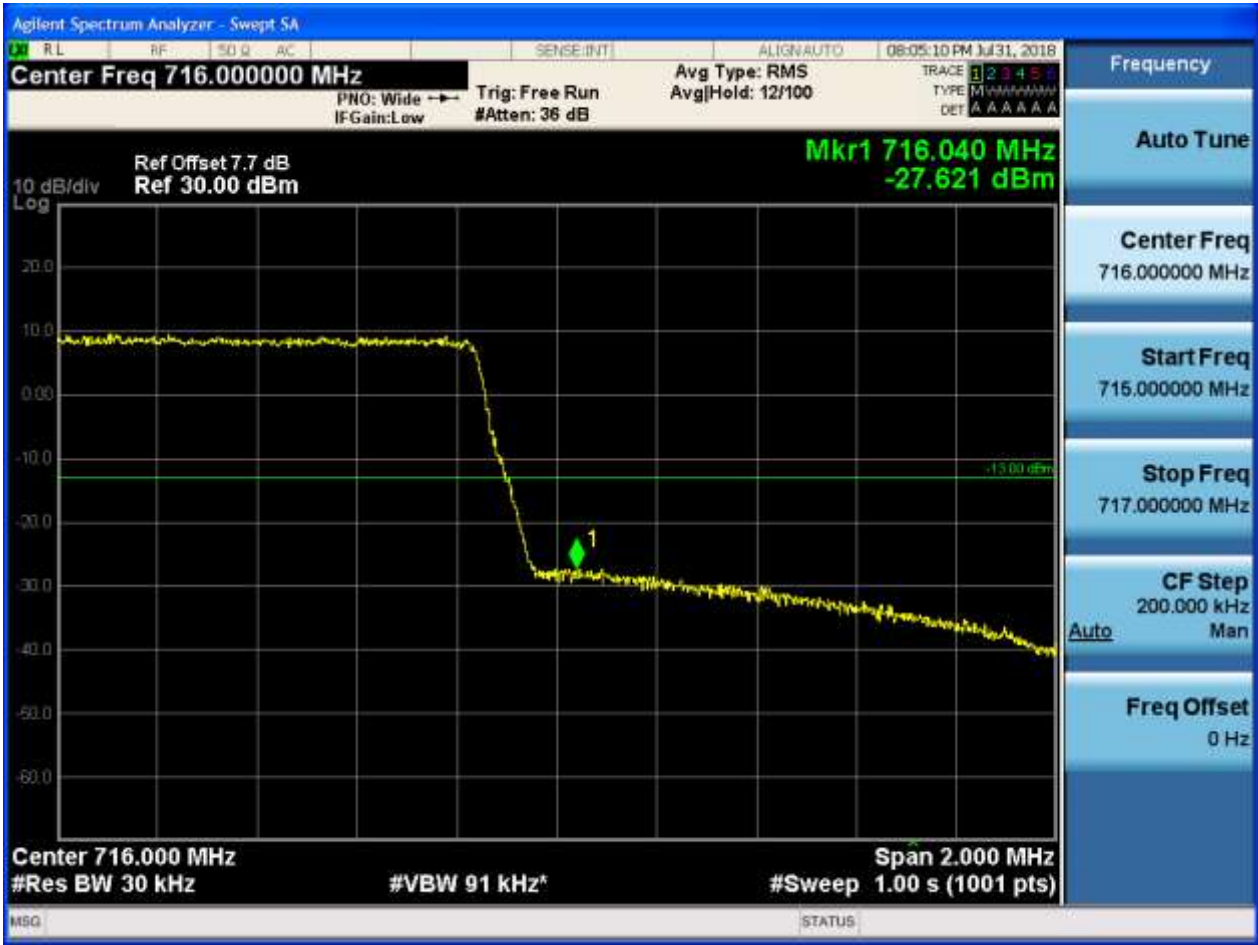


5.1.1.2.1.2.3 Test RB = RB3#2





5.1.1.2.1.2.4 Test RB = RB6#0

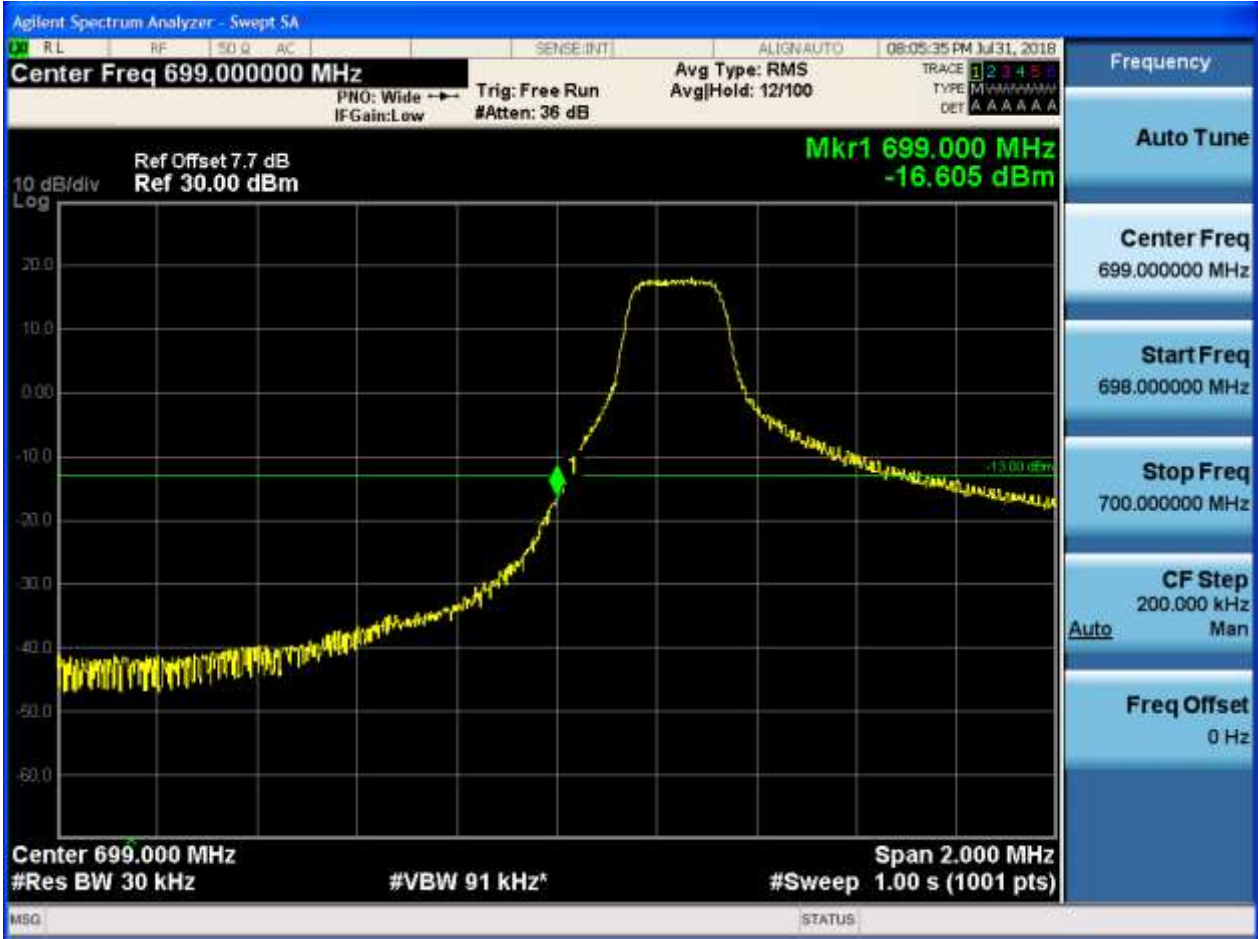




5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14





5.1.1.2.2.1.3 Test RB = RB8#4





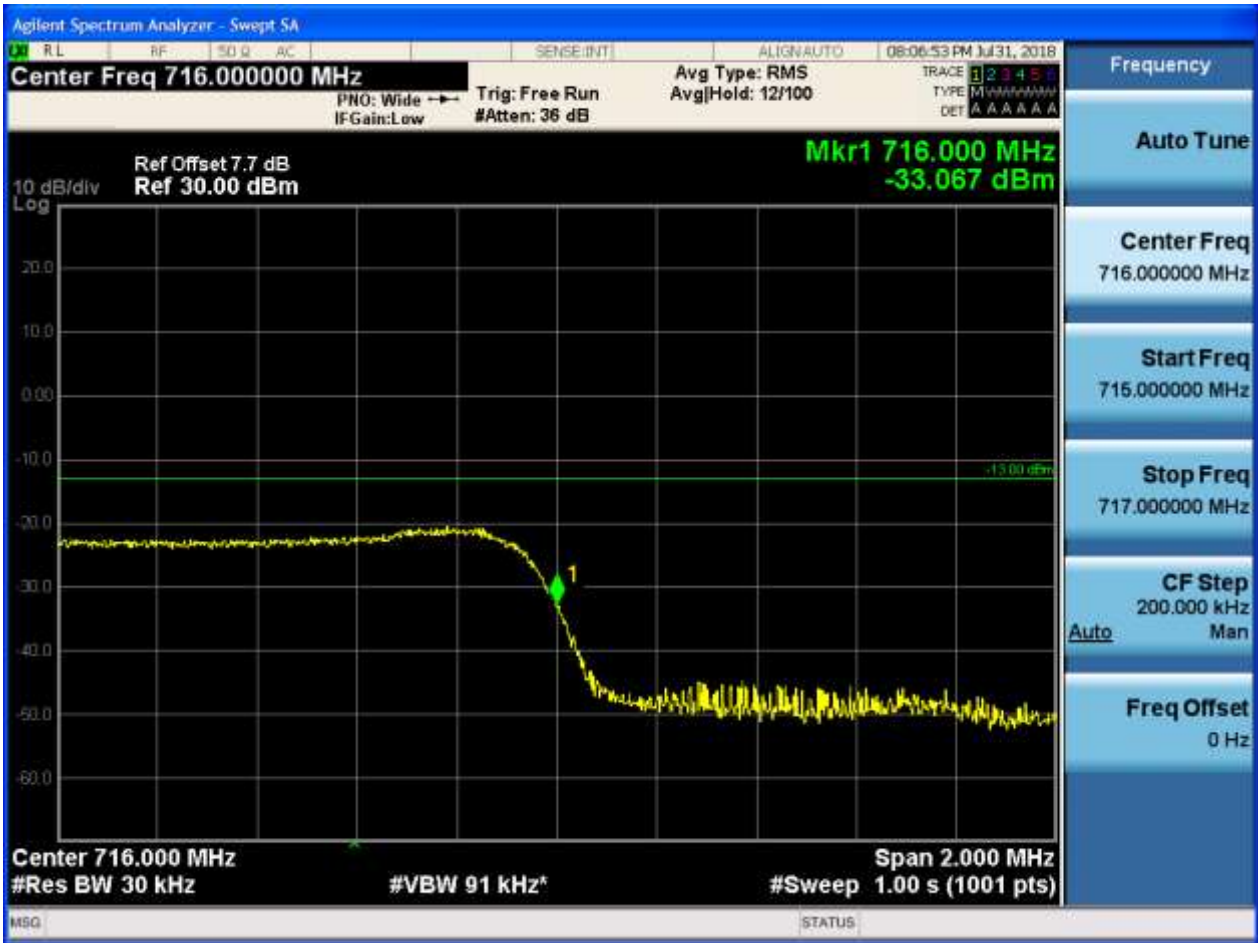
5.1.1.2.2.1.4 Test RB = RB15#0





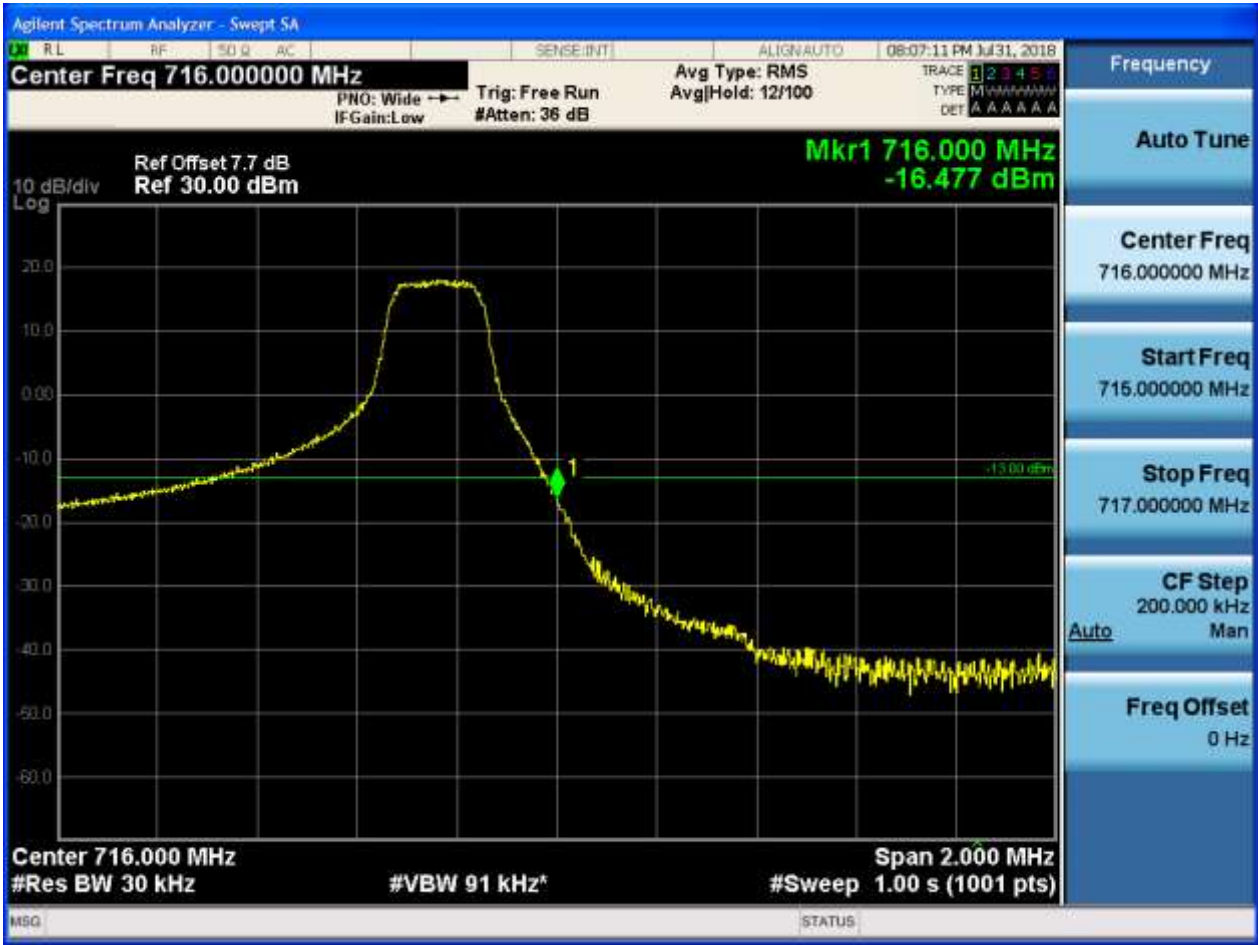
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





5.1.1.2.2.2.3 Test RB = RB8#4





5.1.1.2.2.2.4 Test RB = RB15#0

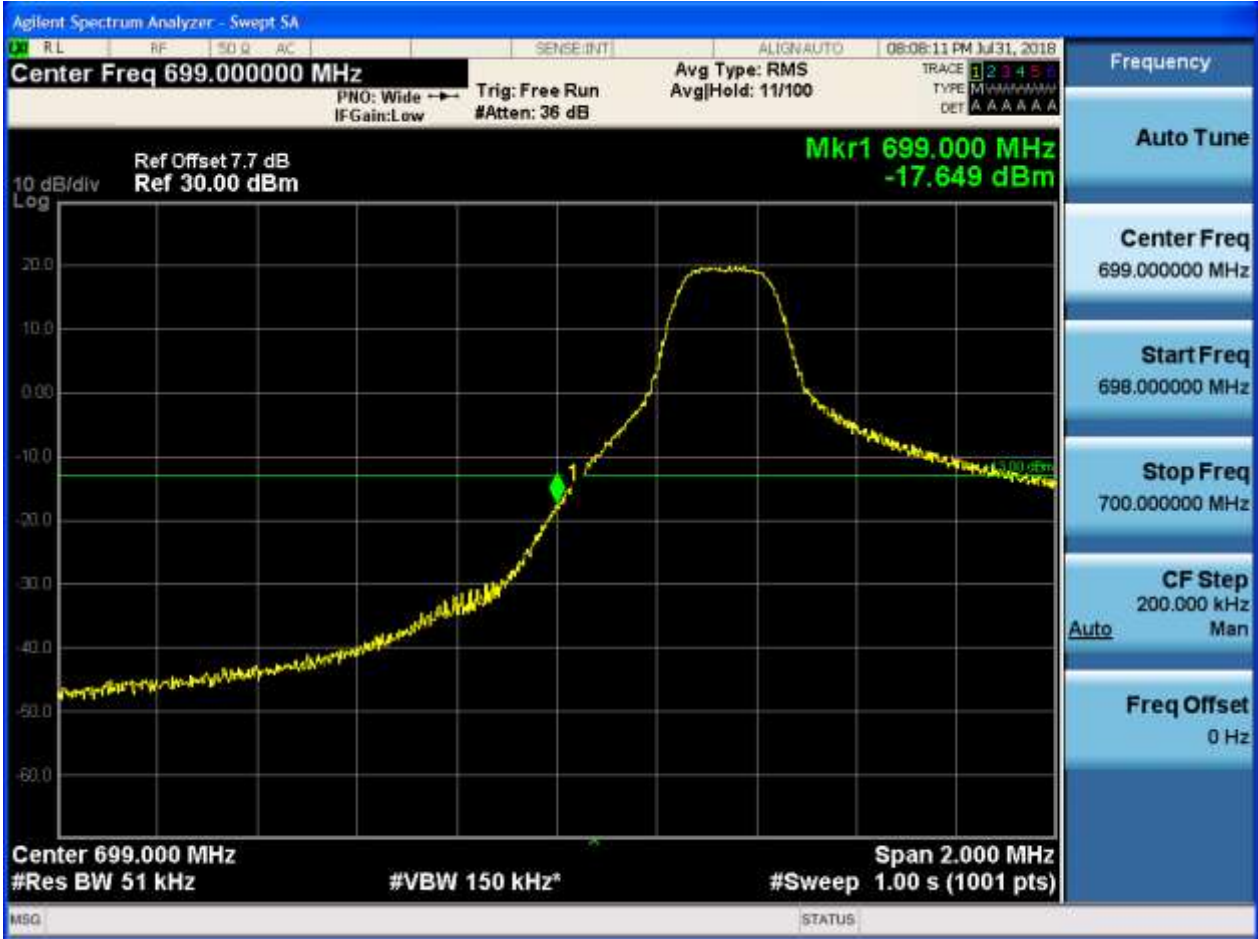




5.1.1.2.3 Test Bandwidth = 5

5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0





5.1.1.2.3.1.2 Test RB = RB1#24





5.1.1.2.3.1.3 Test RB = RB12#6





5.1.1.2.3.1.4 Test RB = RB25#0





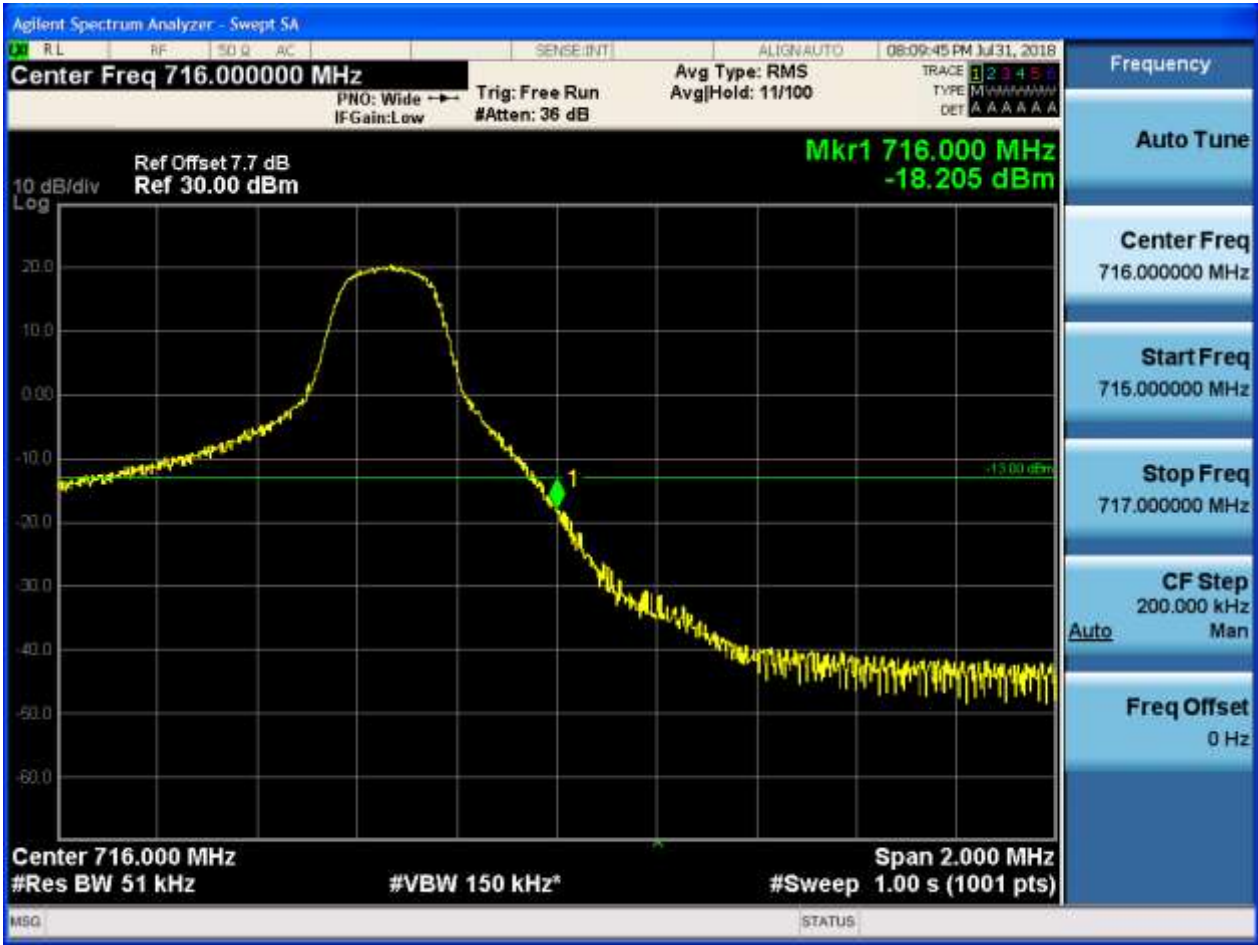
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





5.1.1.2.3.2.2 Test RB = RB1#24





5.1.1.2.3.2.3 Test RB = RB12#6





5.1.1.2.3.2.4 Test RB = RB25#0





5.1.1.2.4 Test Bandwidth = 10

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0





5.1.1.2.4.1.2 Test RB = RB1#49





5.1.1.2.4.1.3 Test RB = RB25#13





5.1.1.2.4.1.4 Test RB = RB50#0





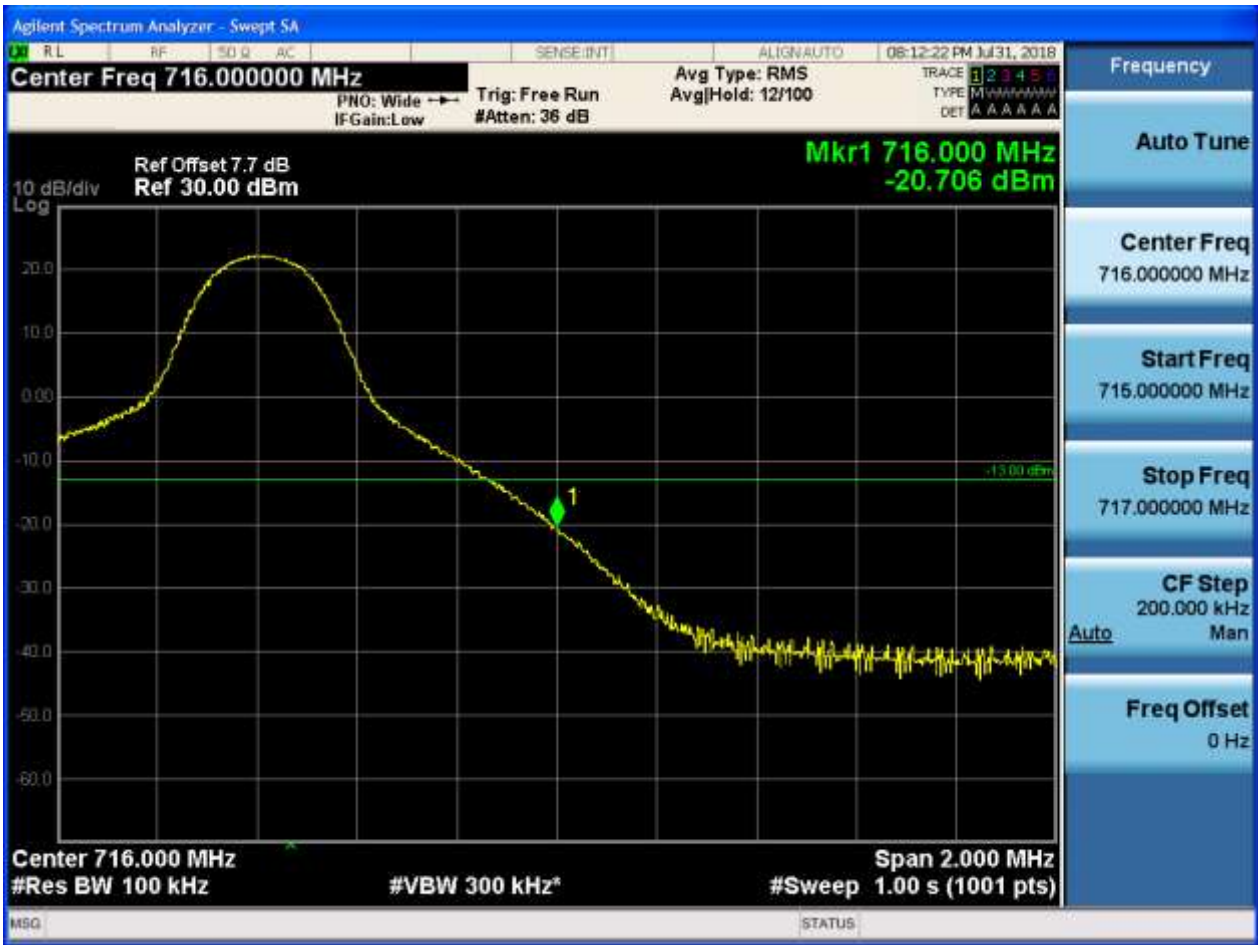
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0



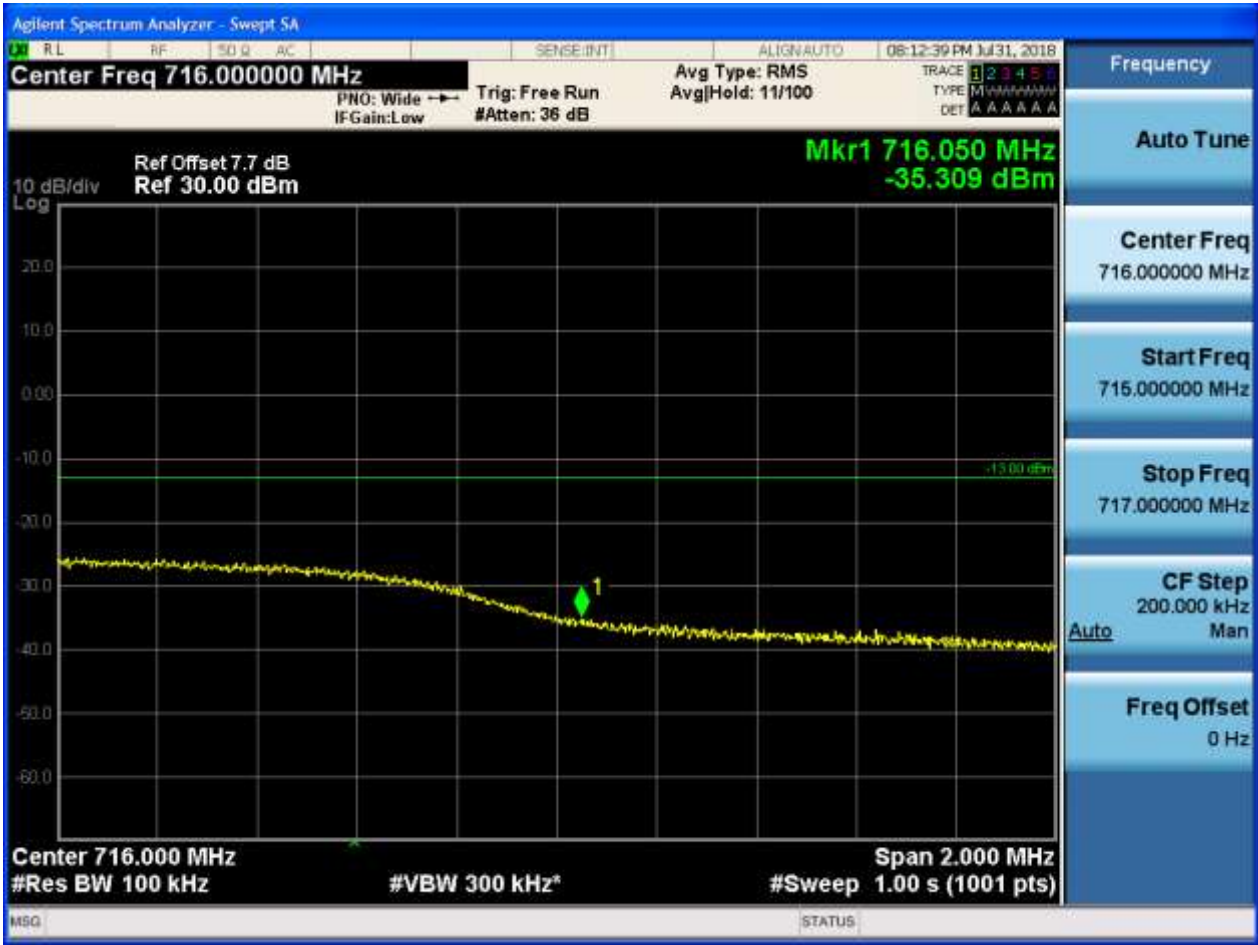


5.1.1.2.4.2.2 Test RB = RB1#49





5.1.1.2.4.2.3 Test RB = RB25#13





5.1.1.2.4.2.4 Test RB = RB50#0





6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = BAND12

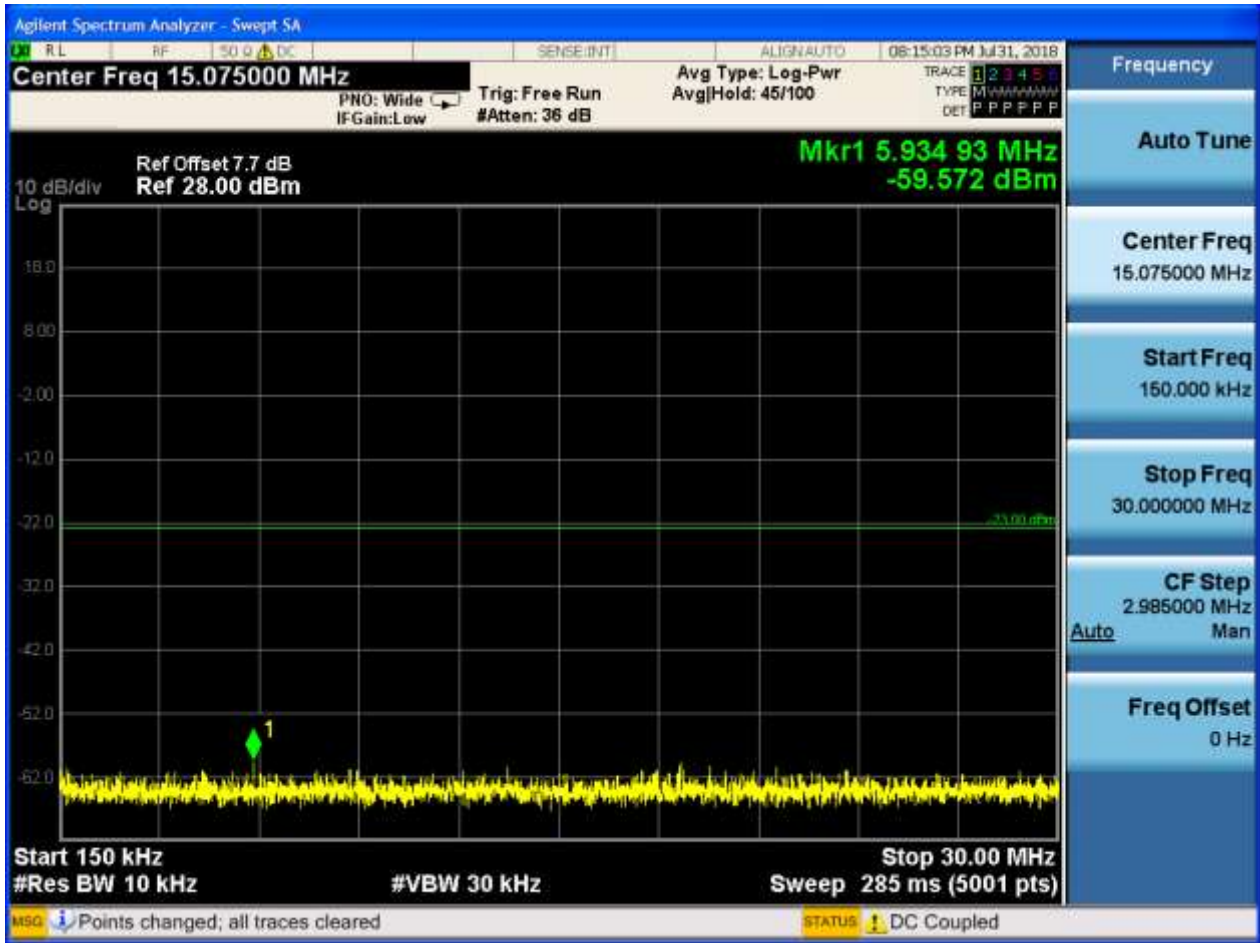
6.1.1.1 Test Mode = LTE/TM1

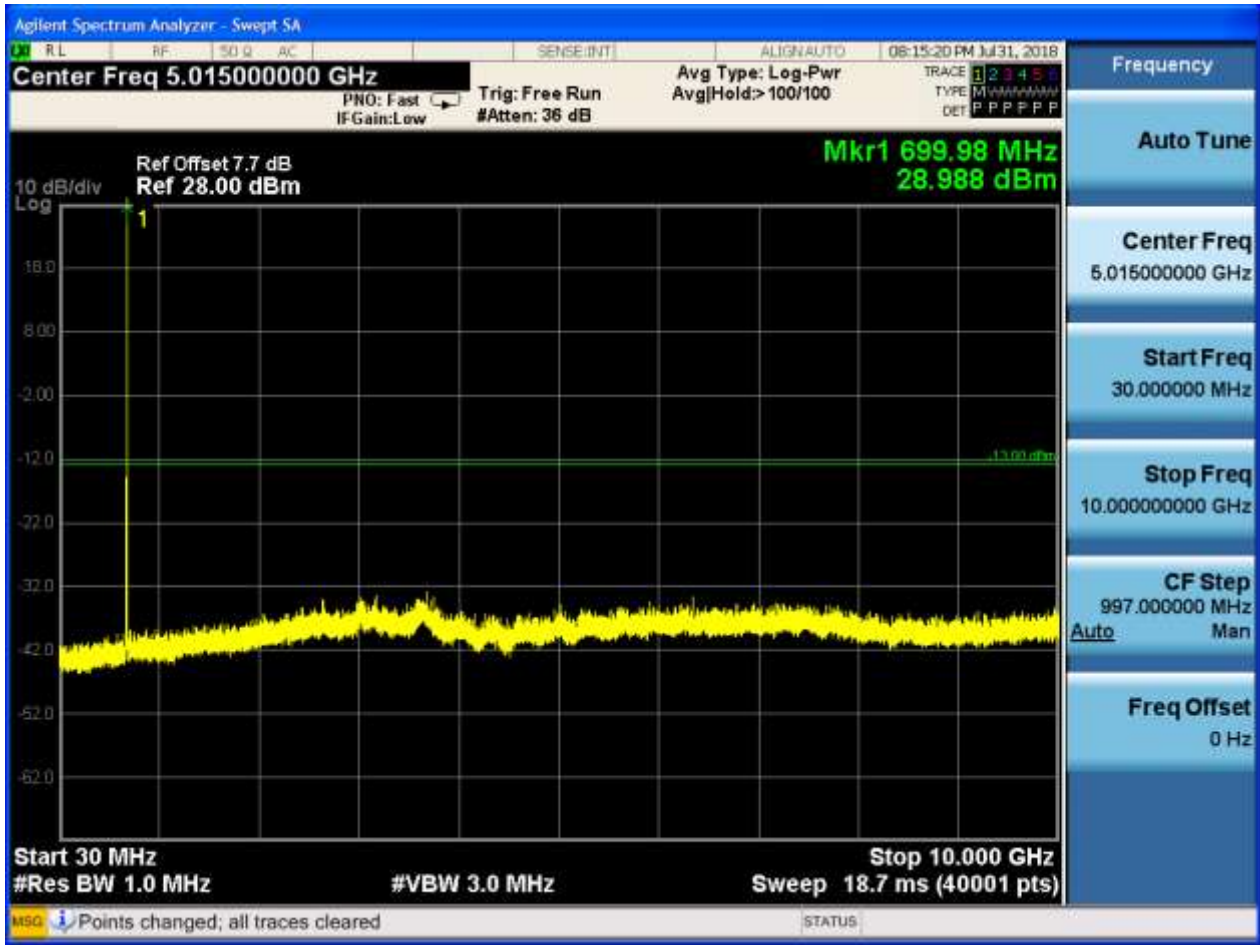
6.1.1.1.1 Test Bandwidth = 1.4

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0





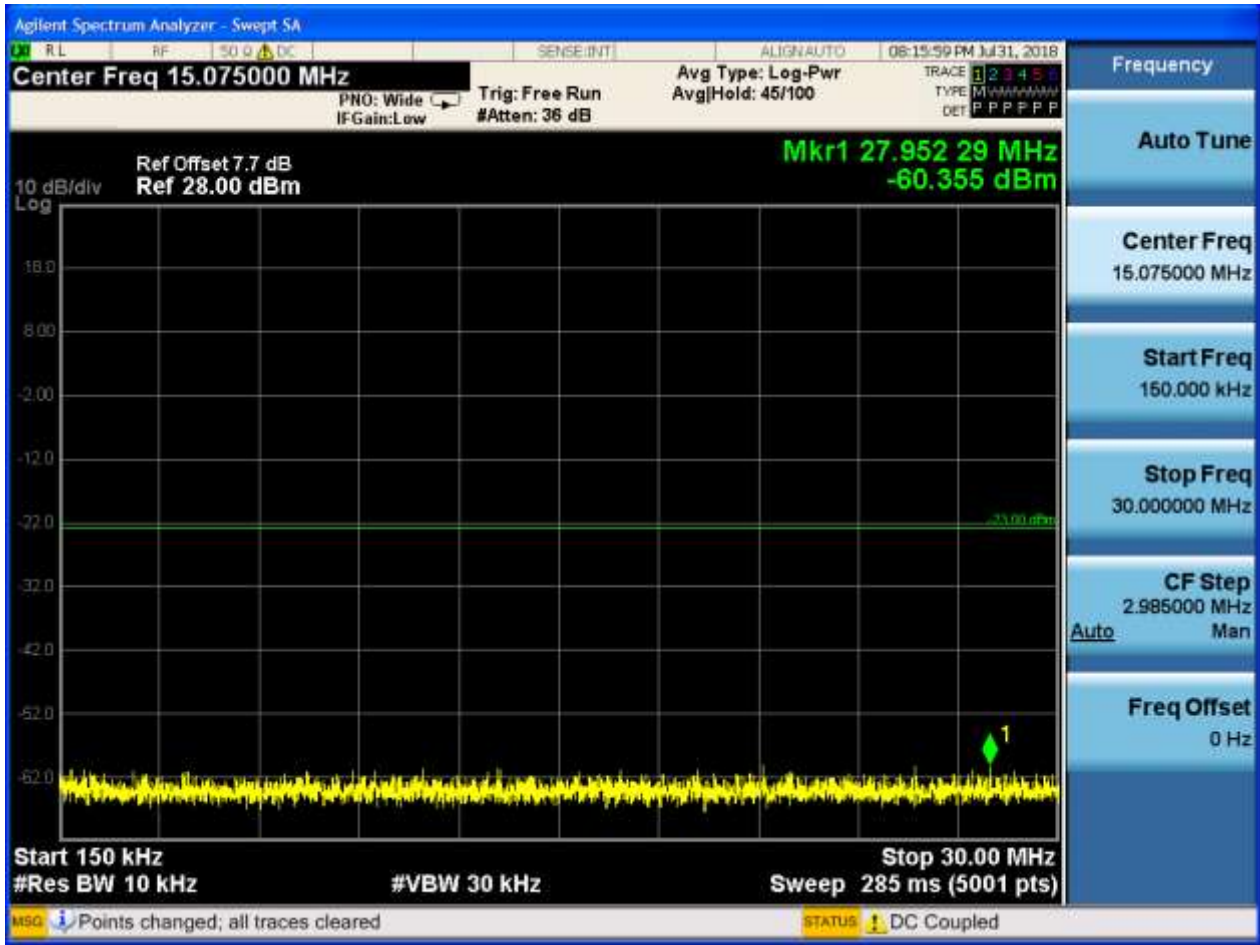


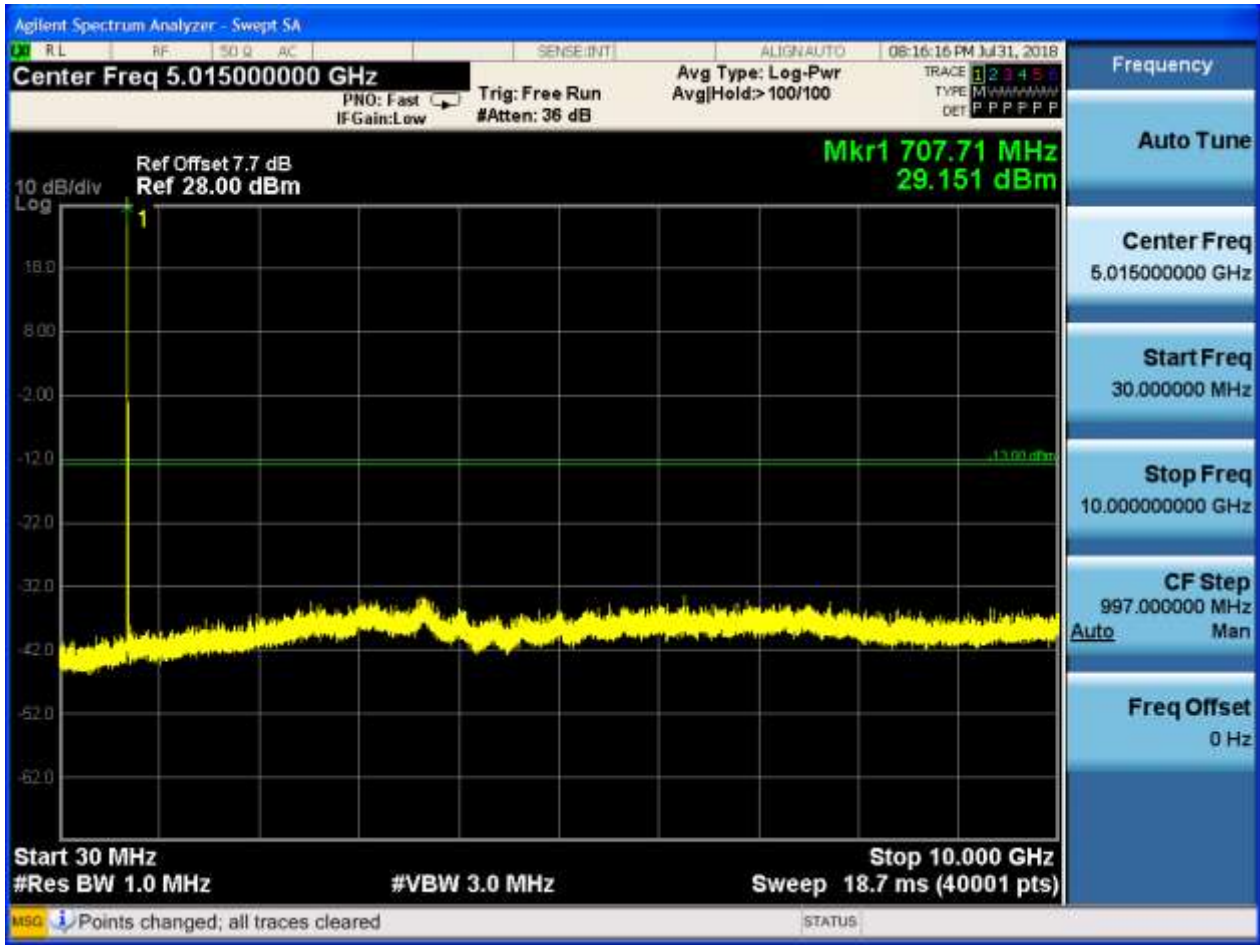


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



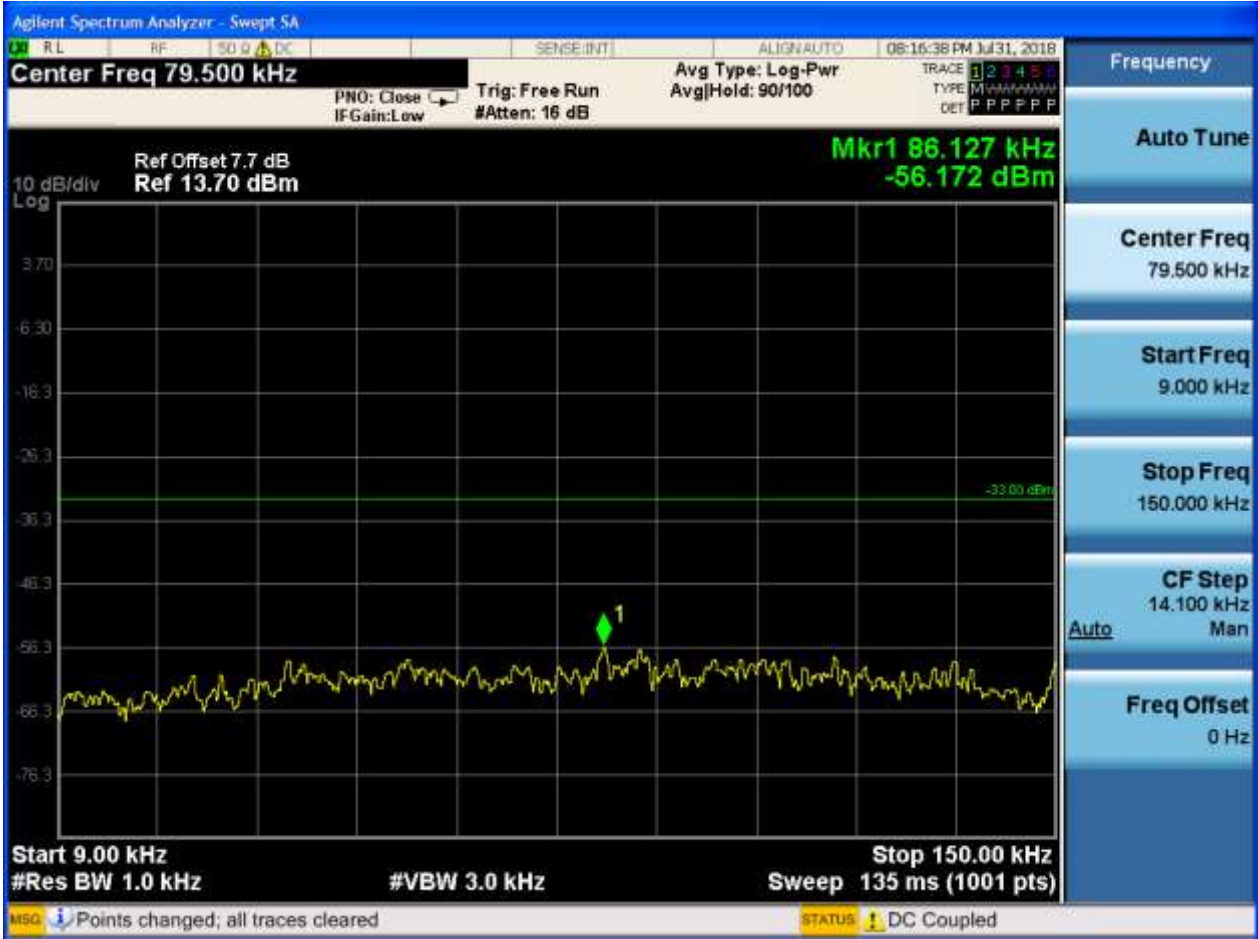


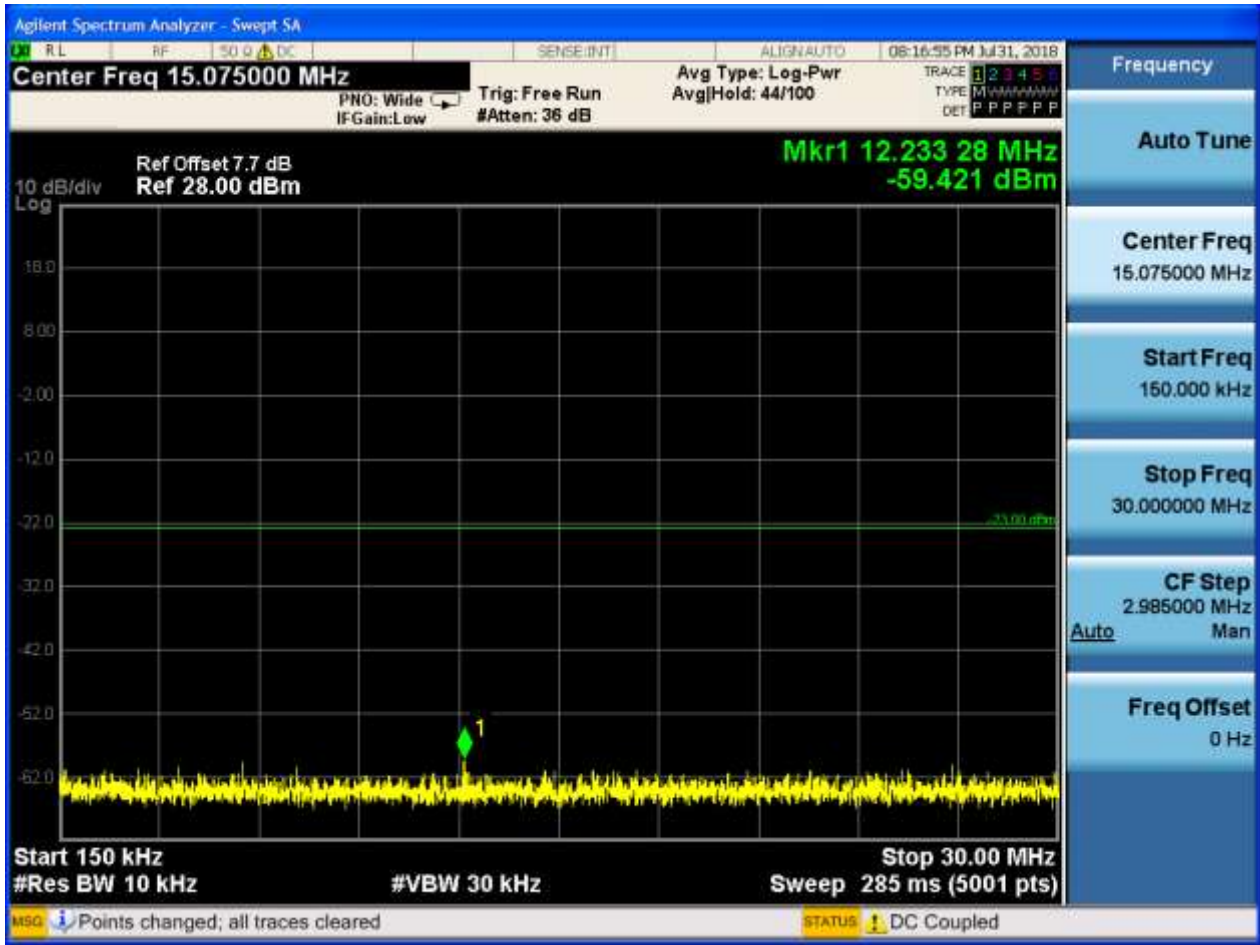




6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0



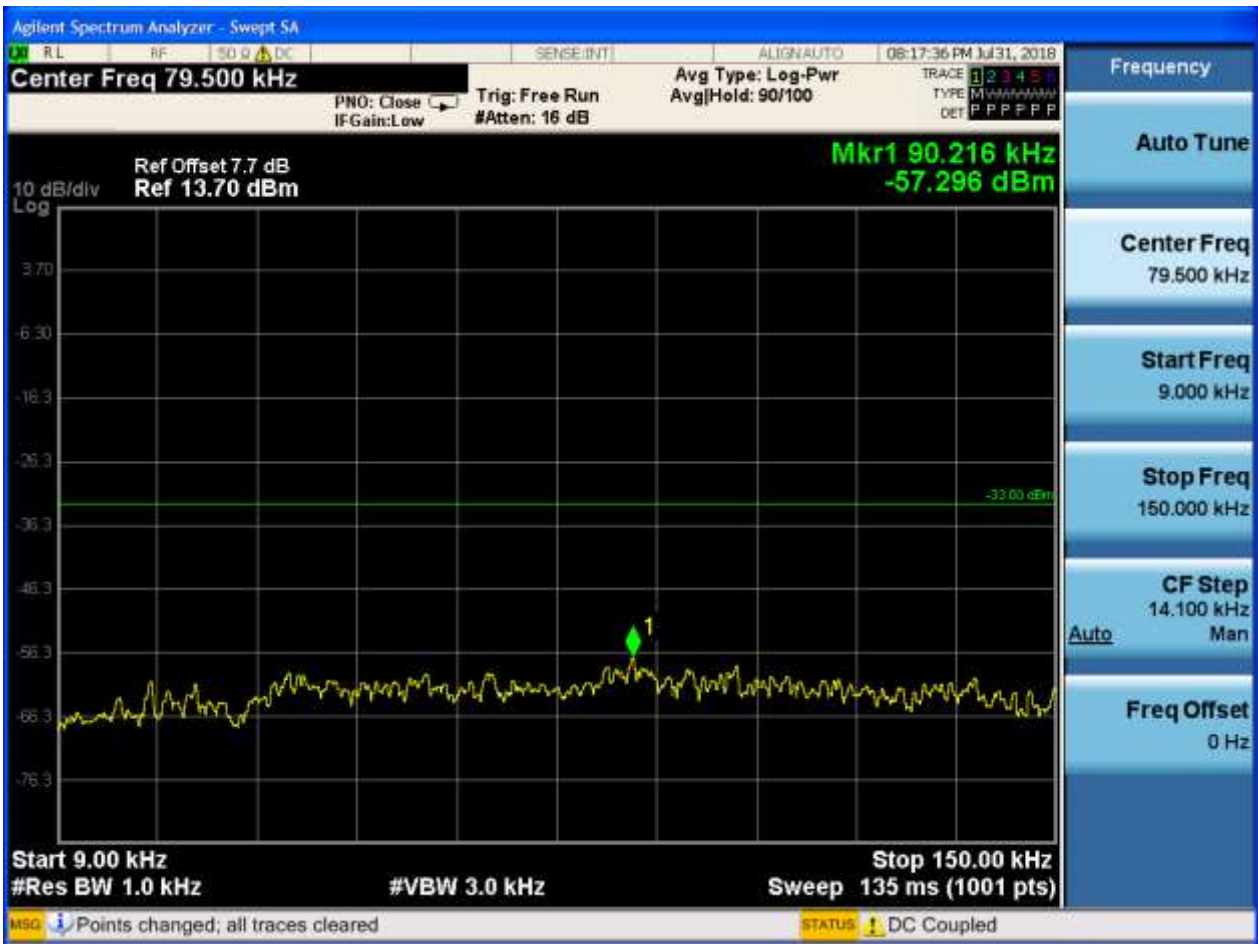


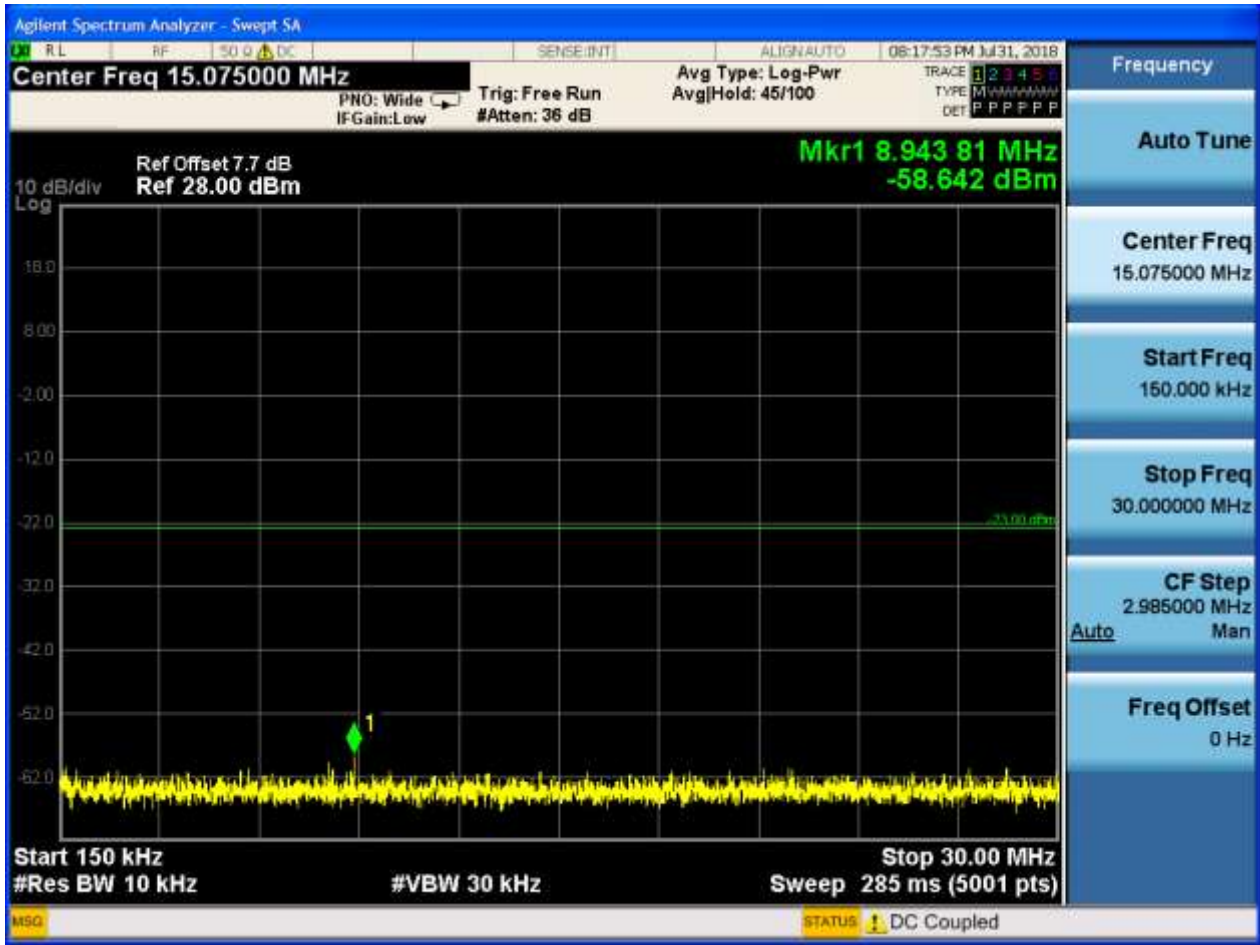


6.1.1.1.2 Test Bandwidth = 3

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



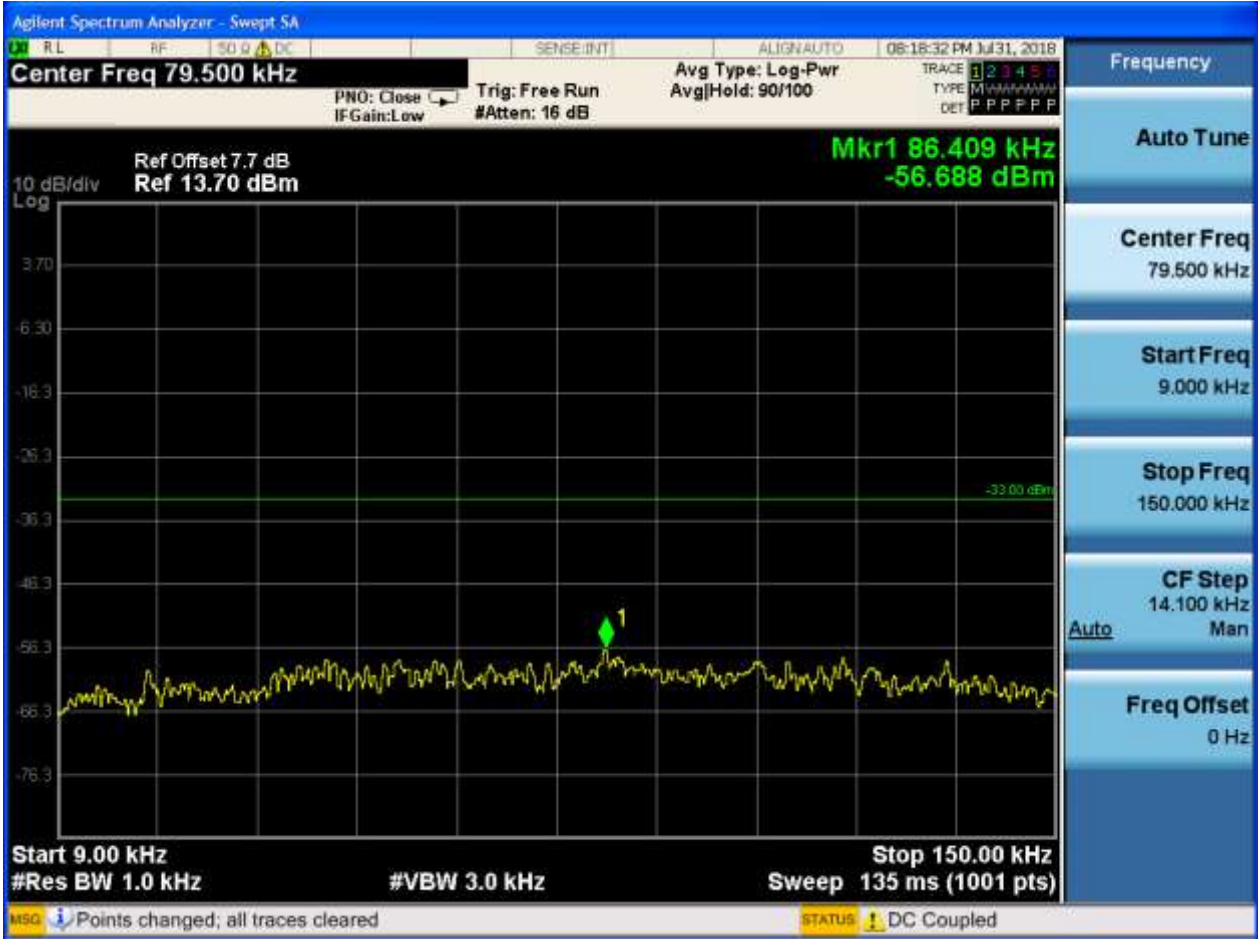


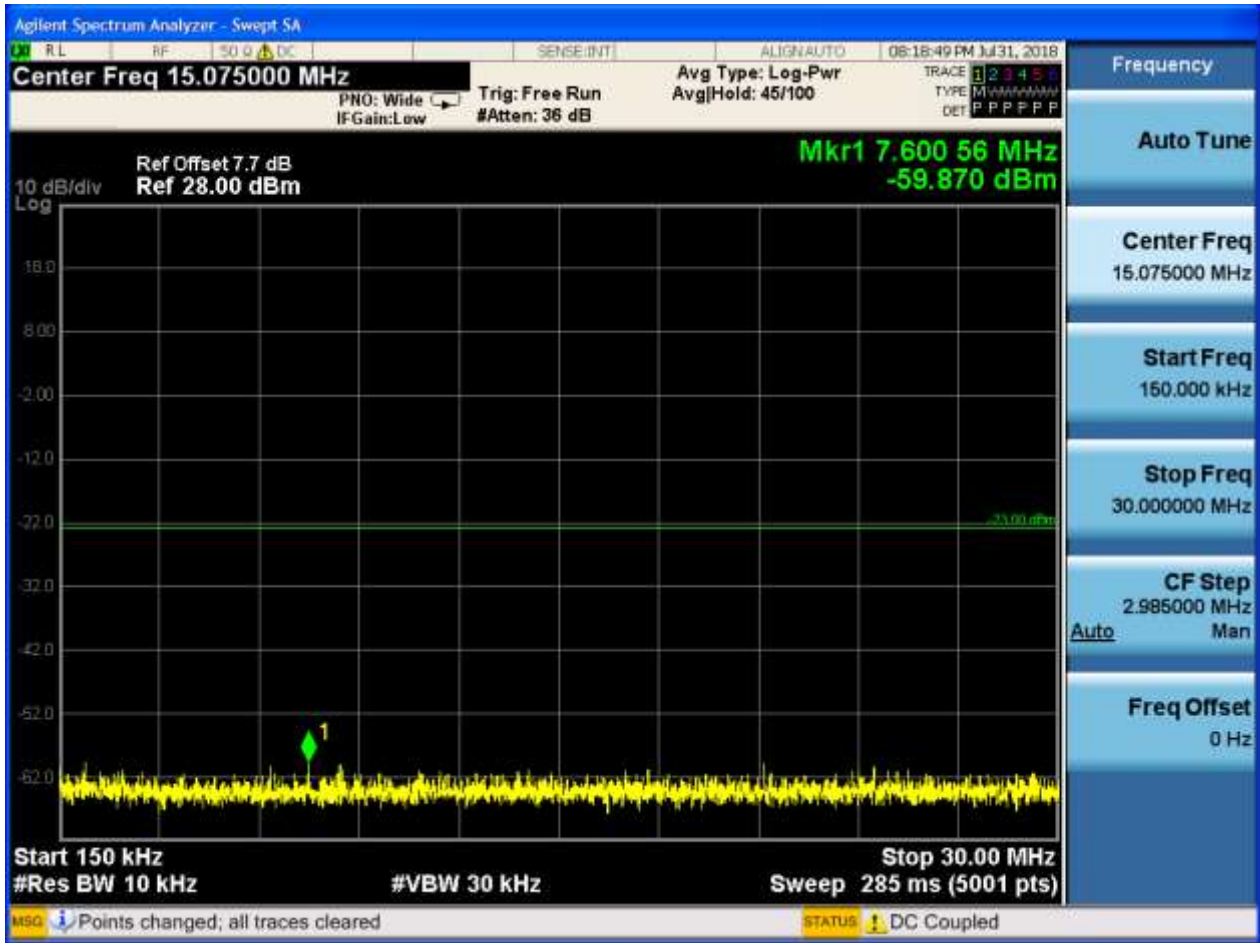




6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0





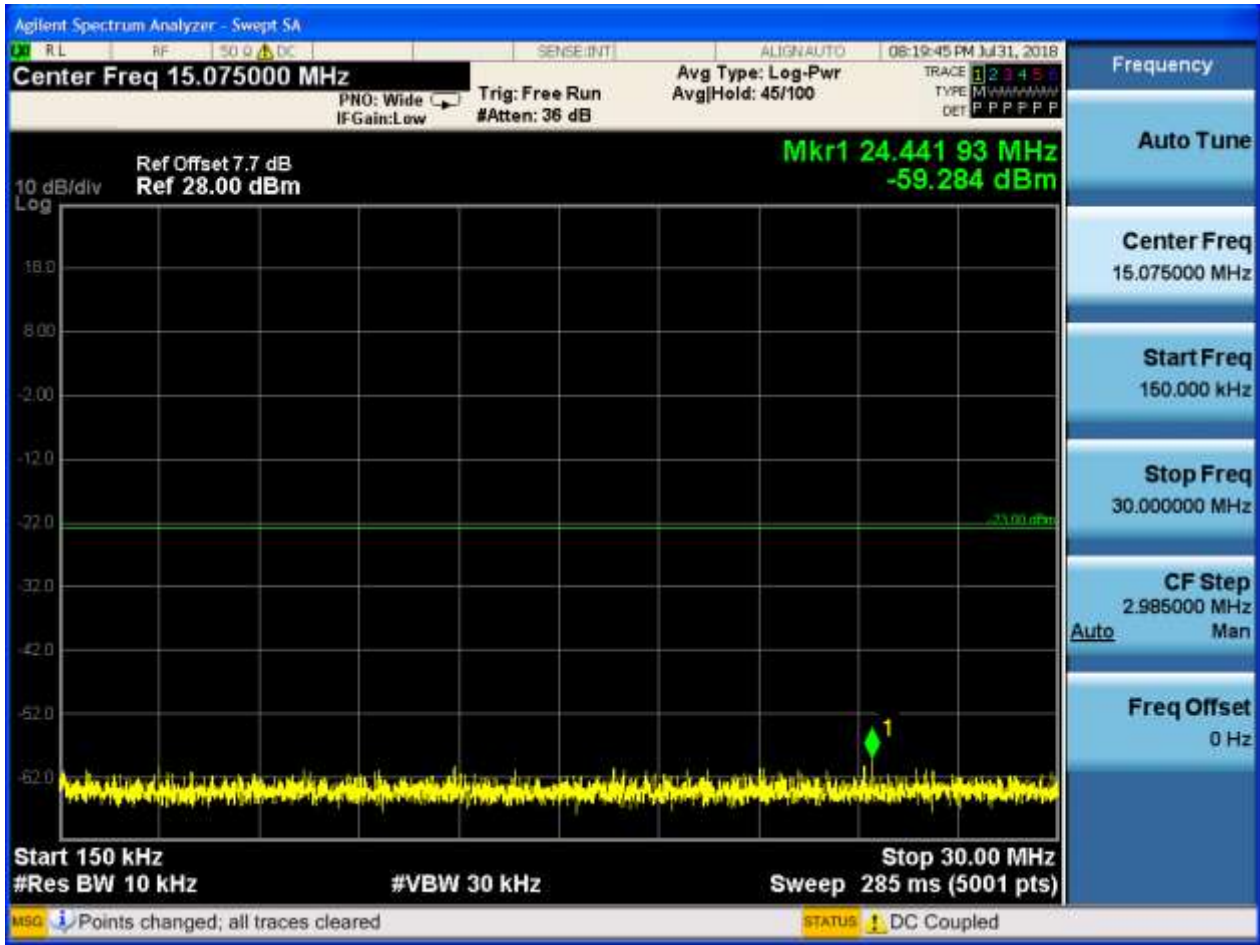




6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



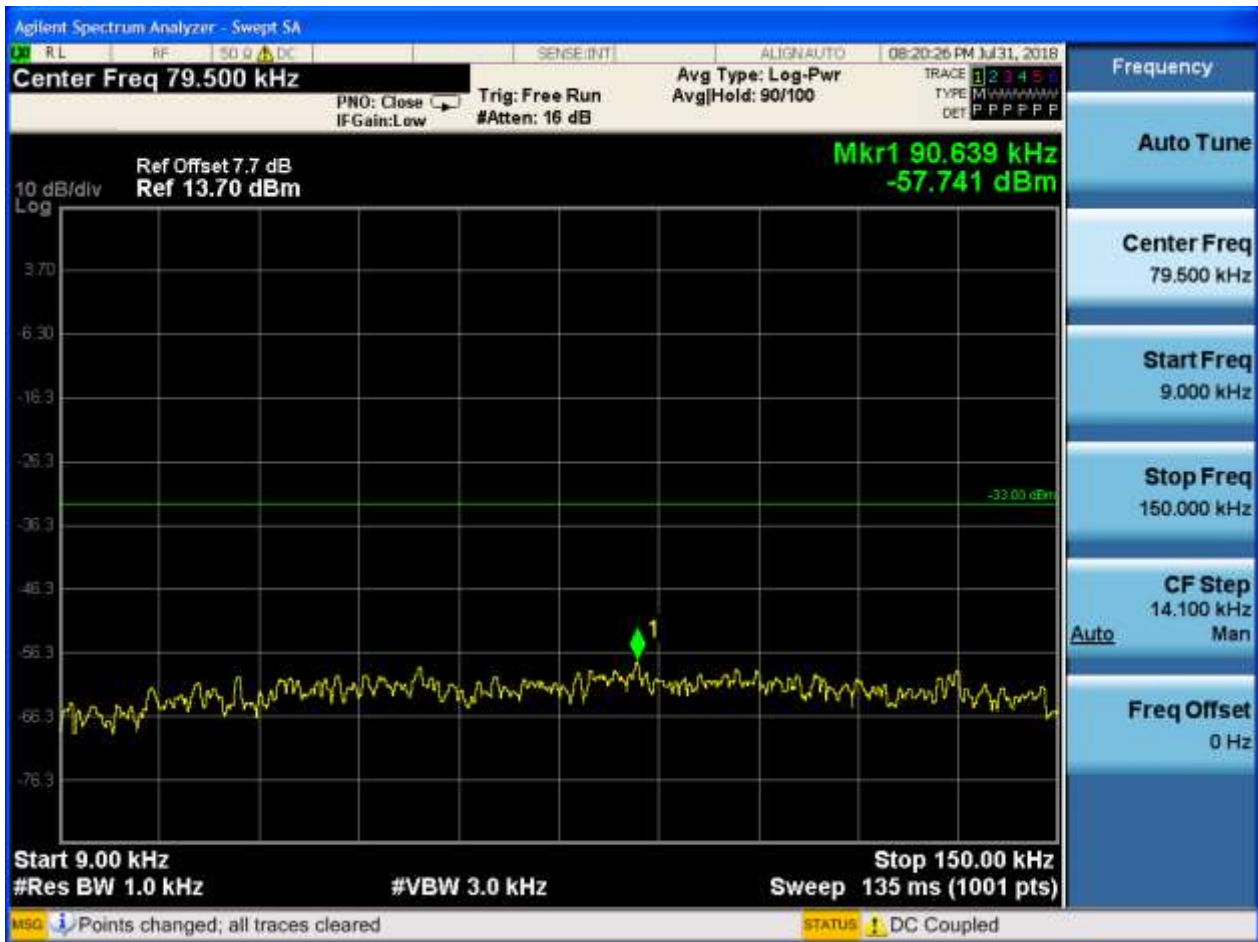


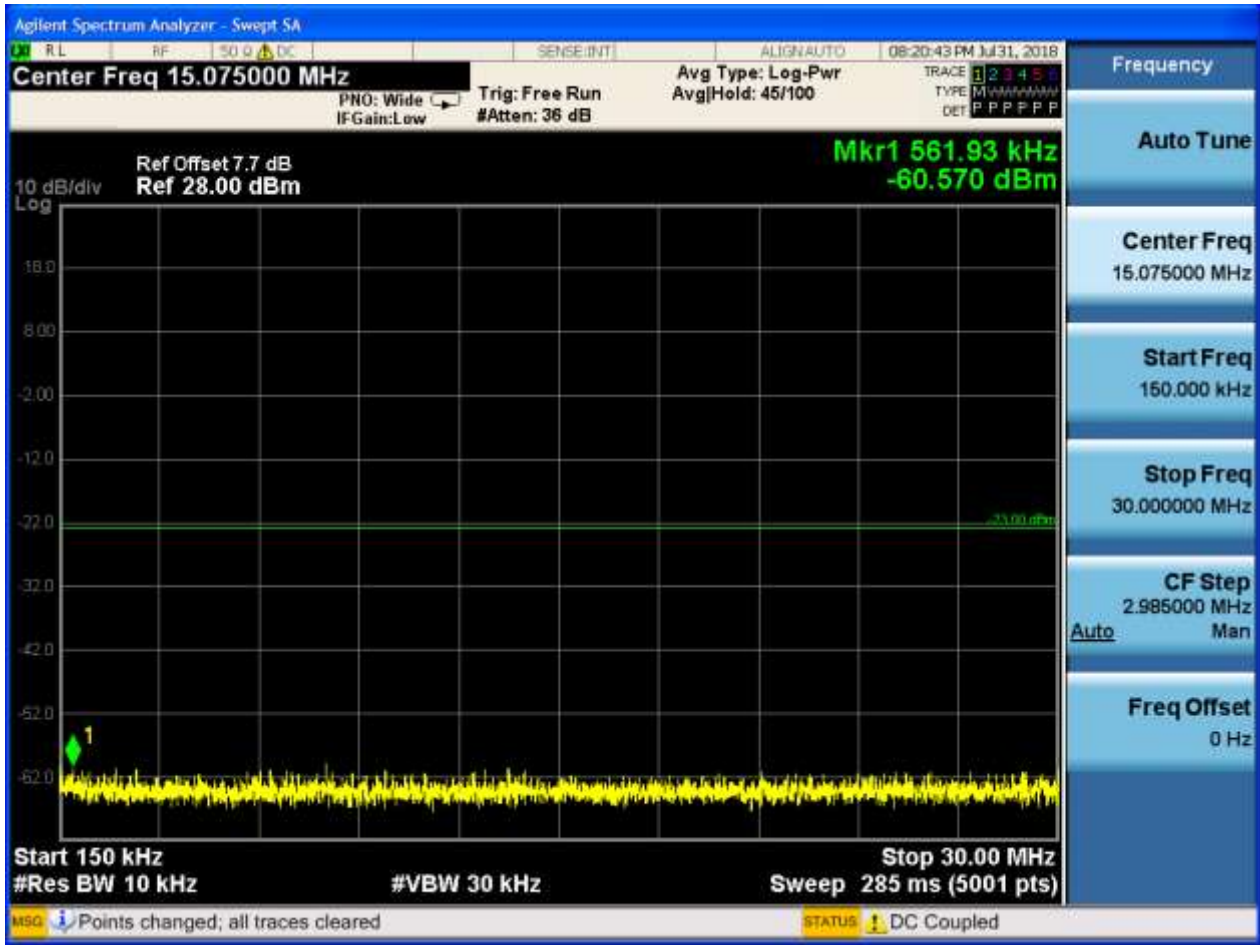


6.1.1.1.3 Test Bandwidth = 5

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



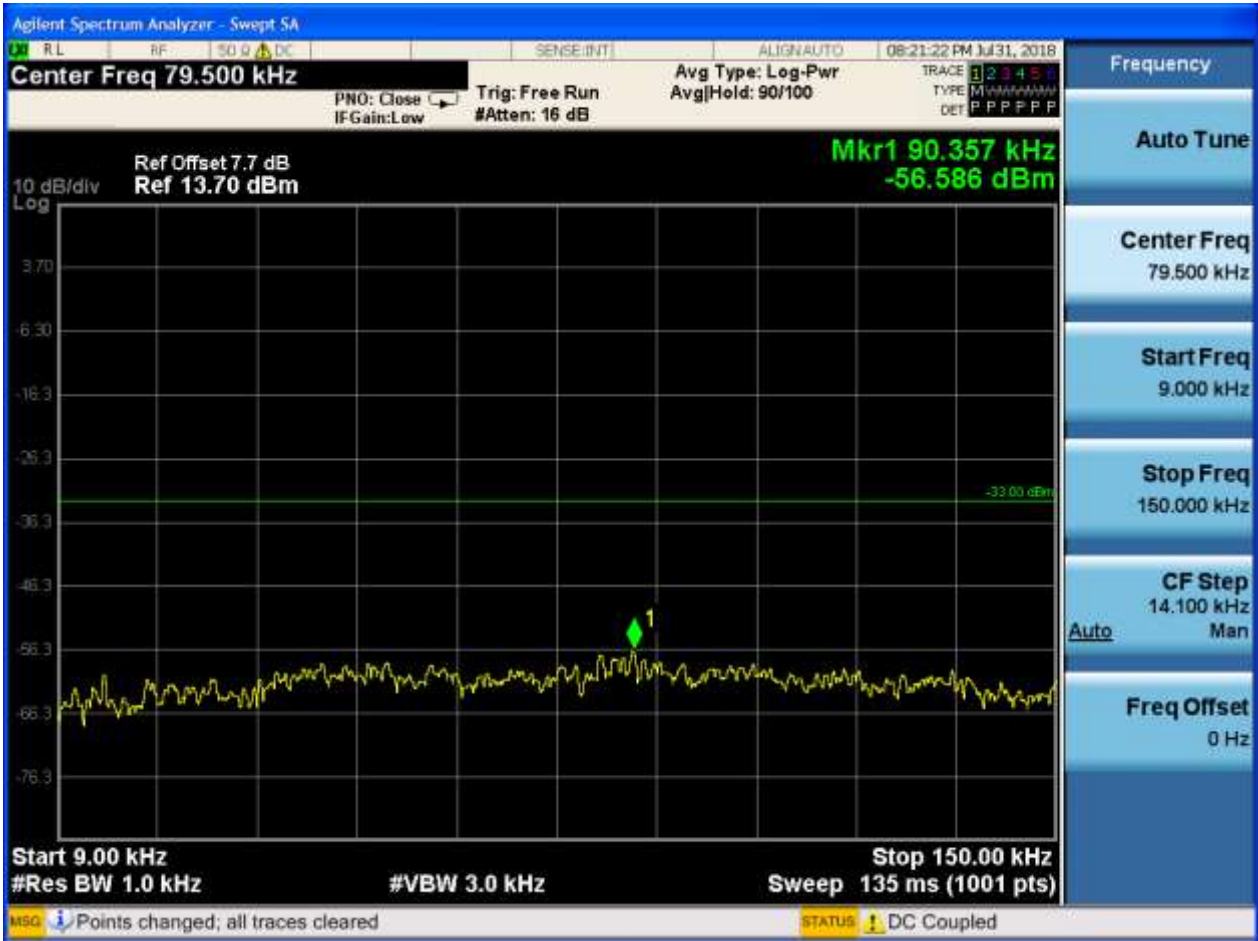


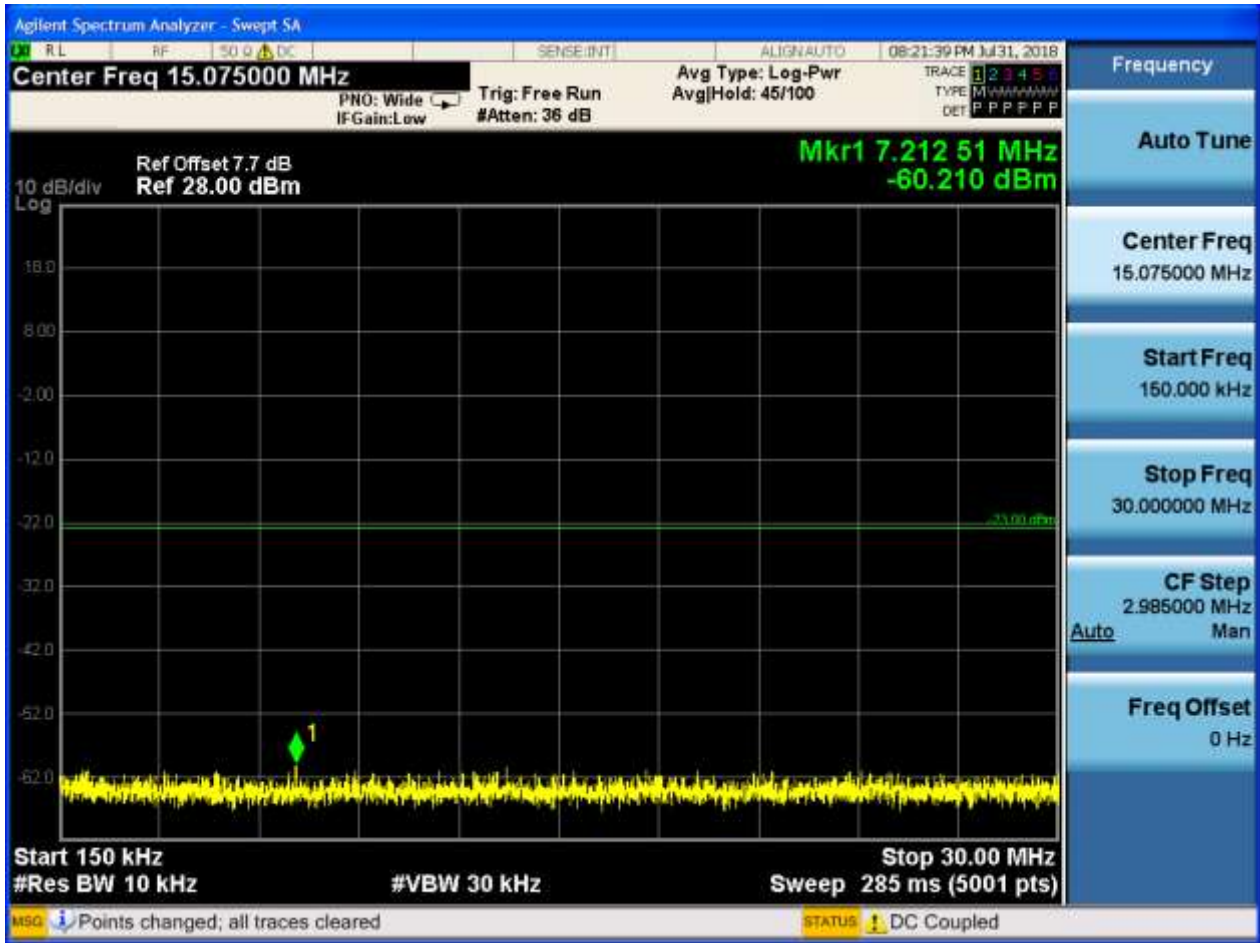


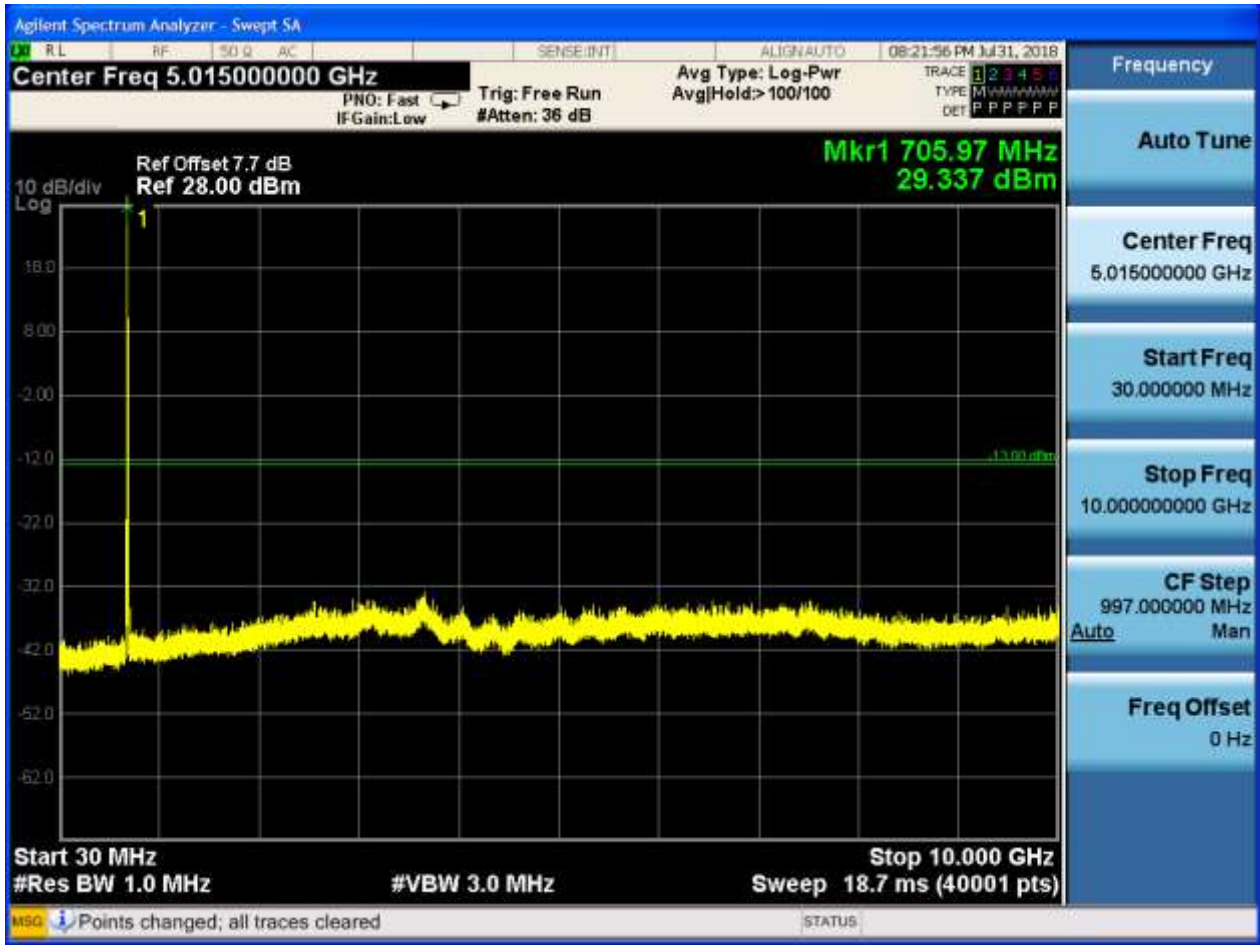


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0





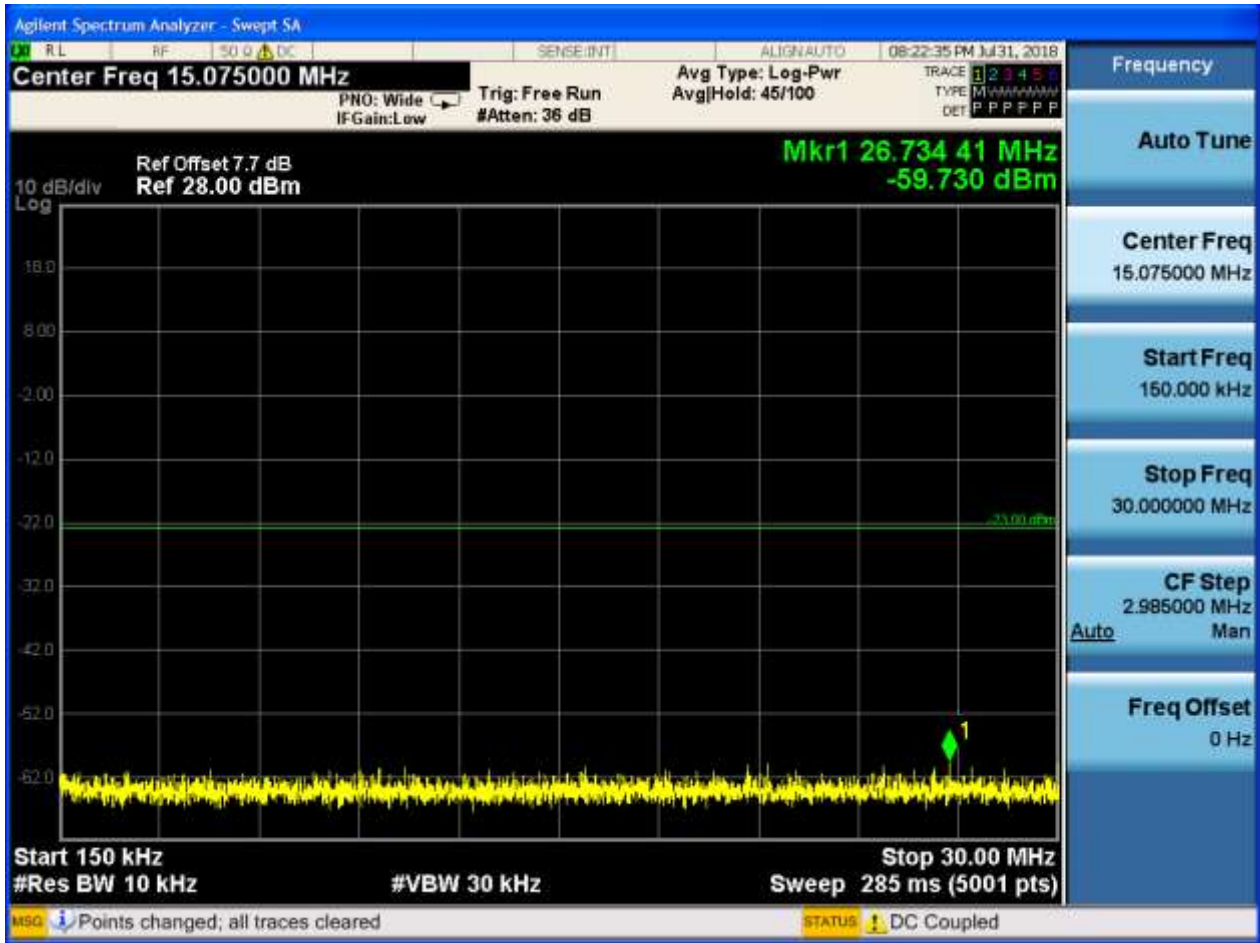




6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



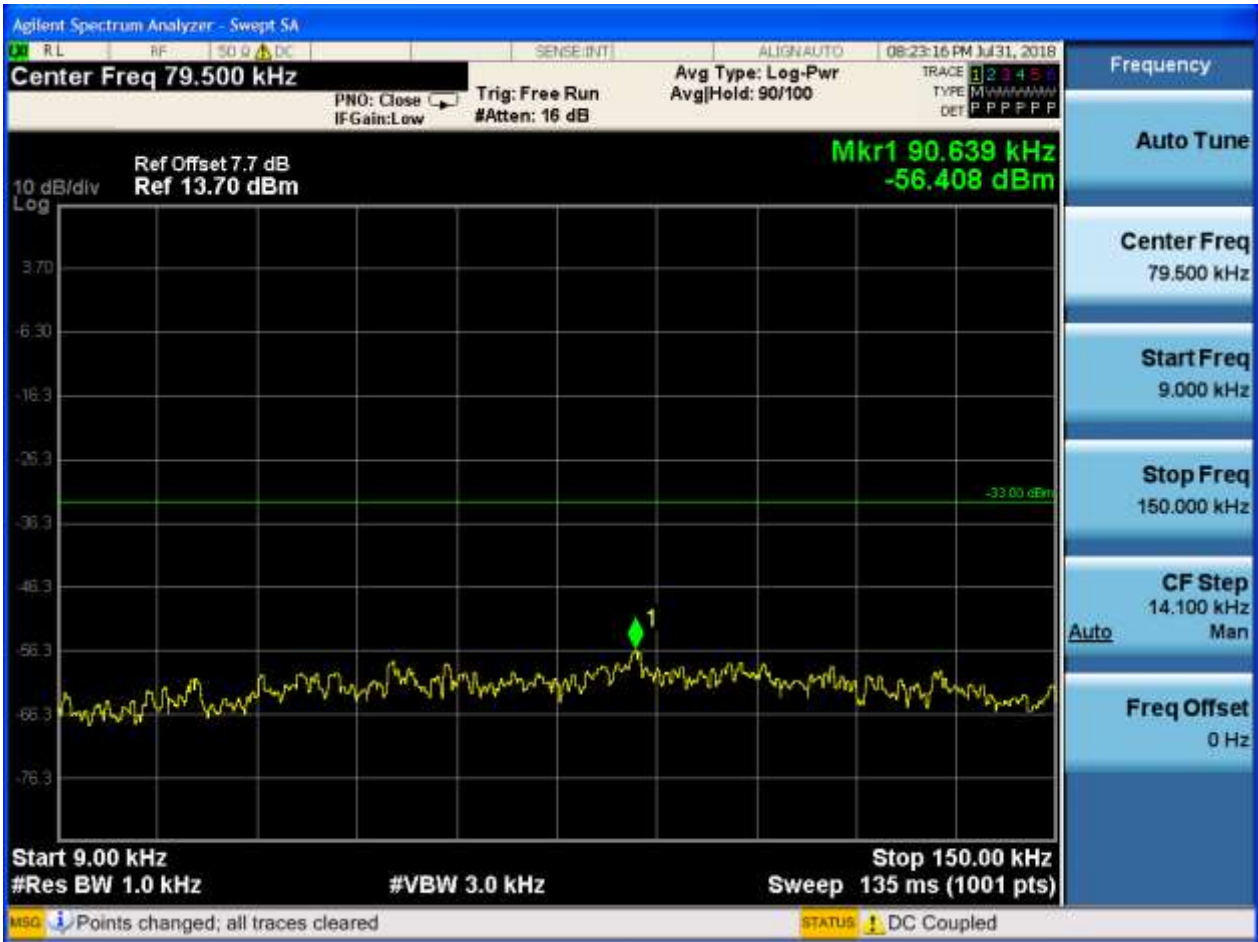


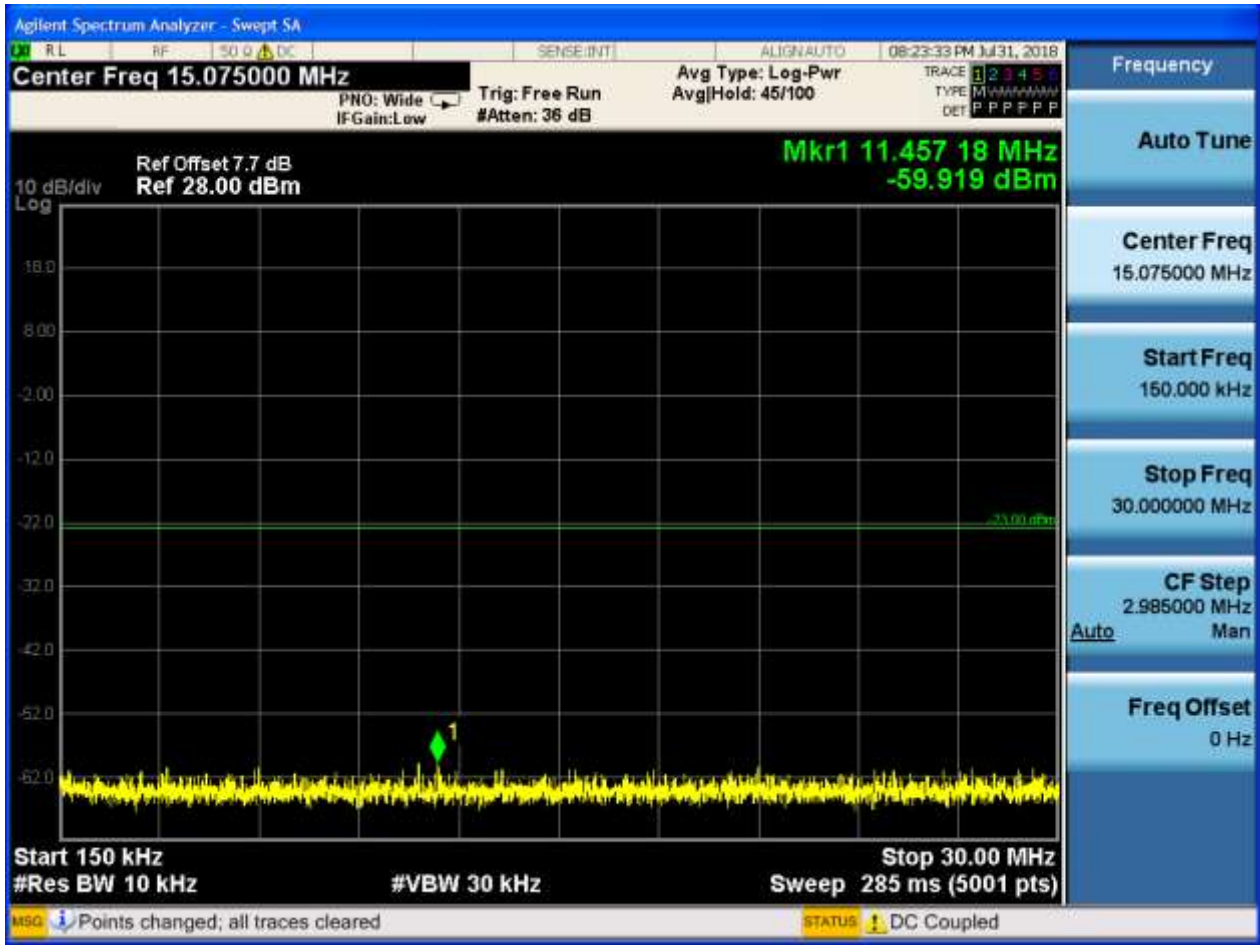


6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



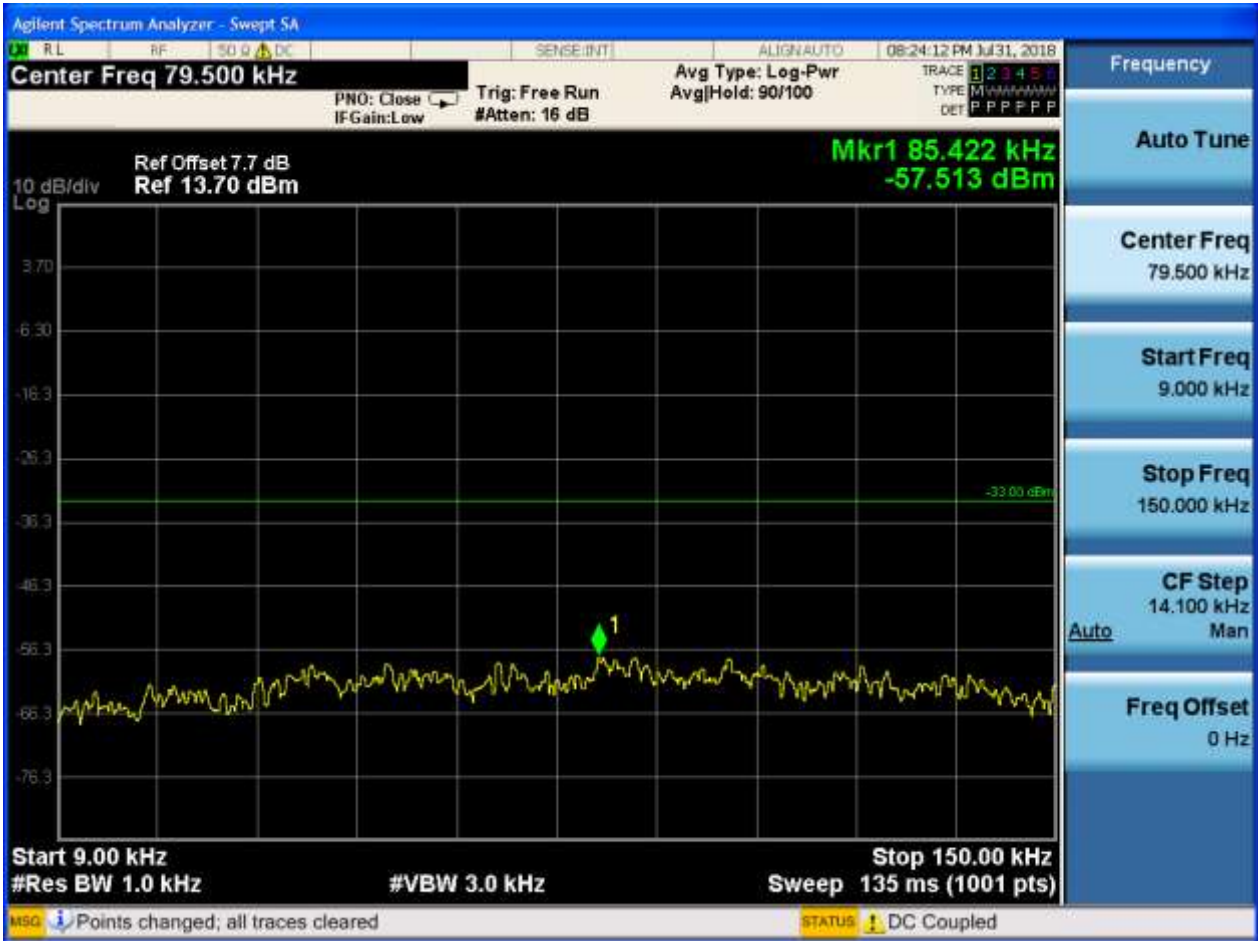


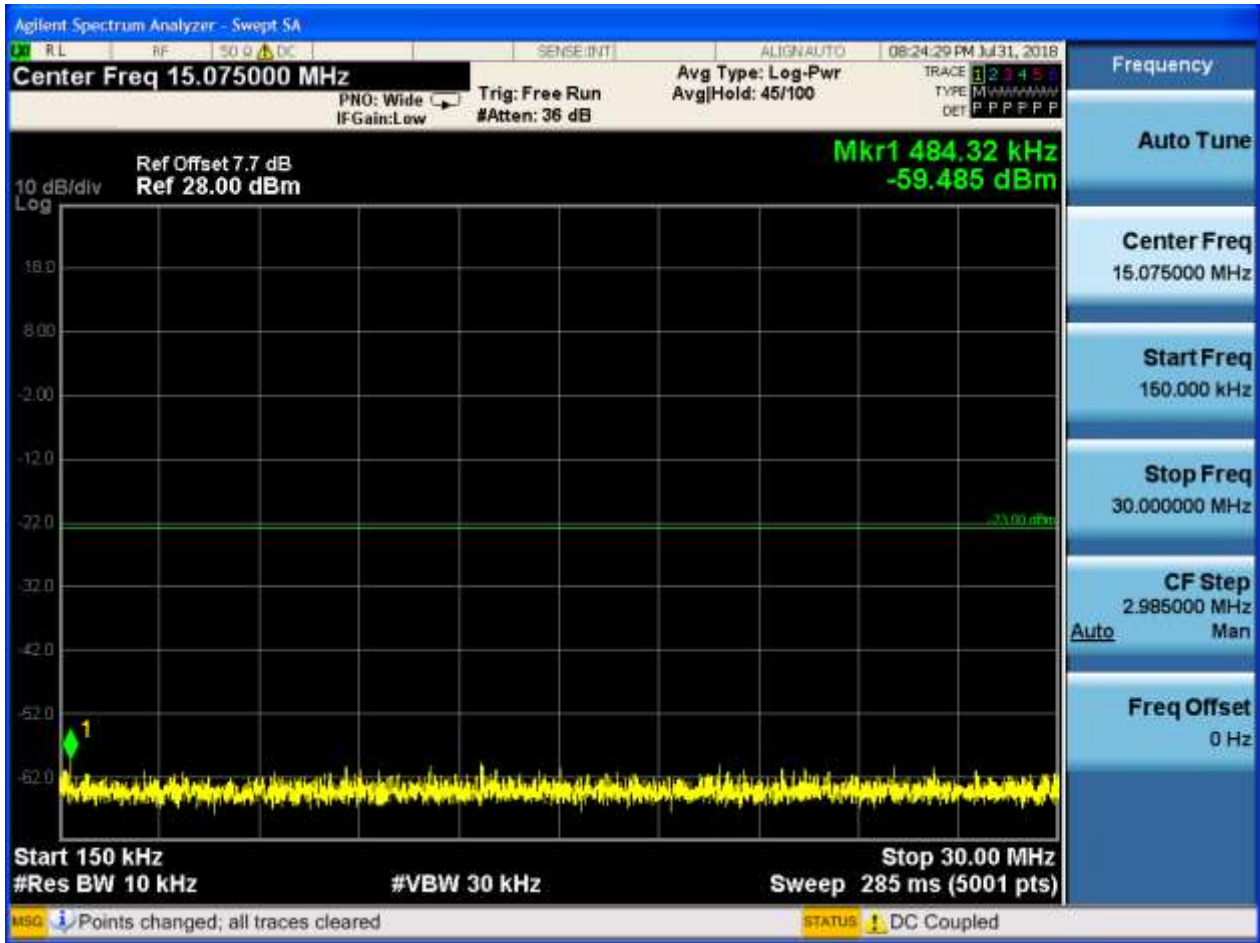


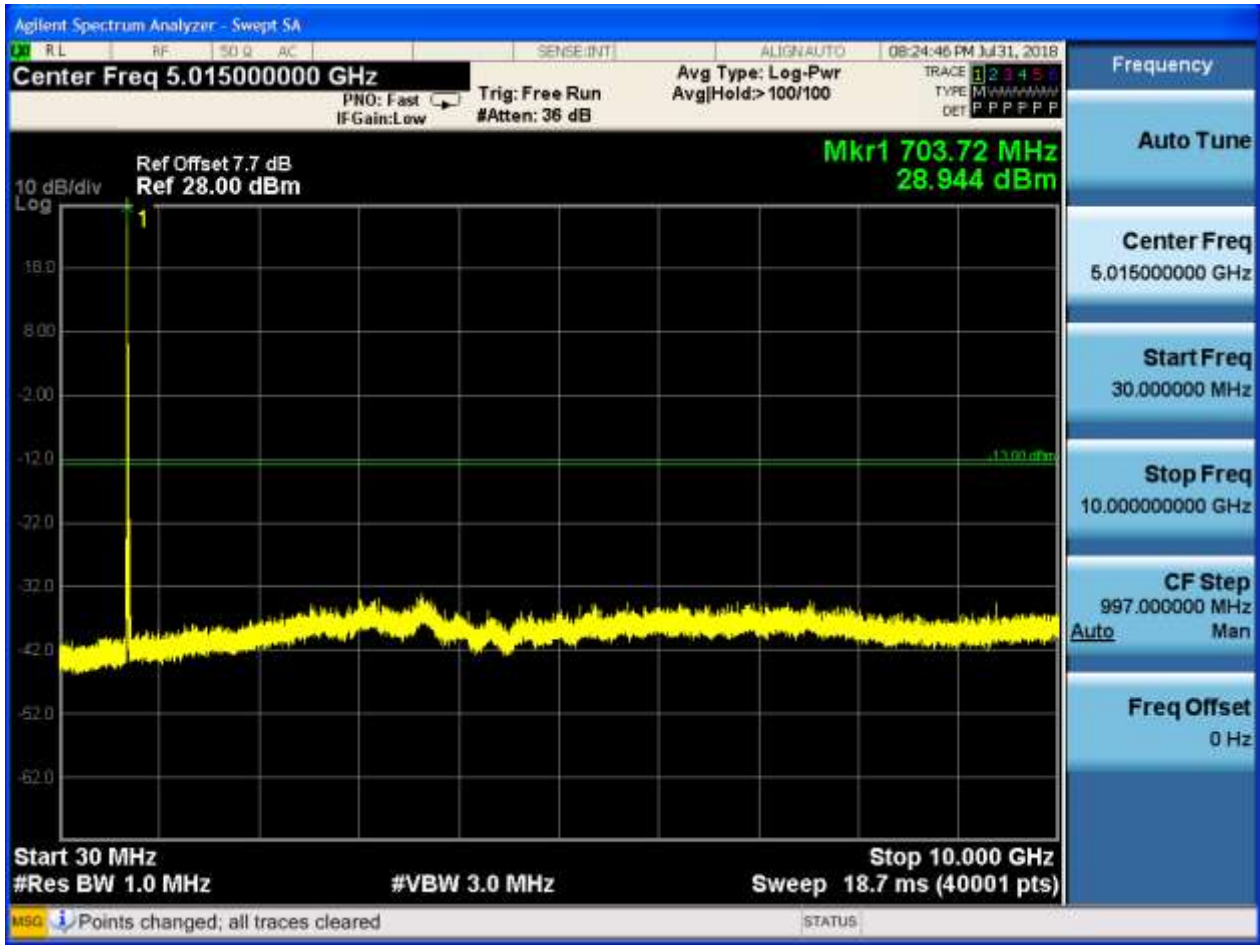


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



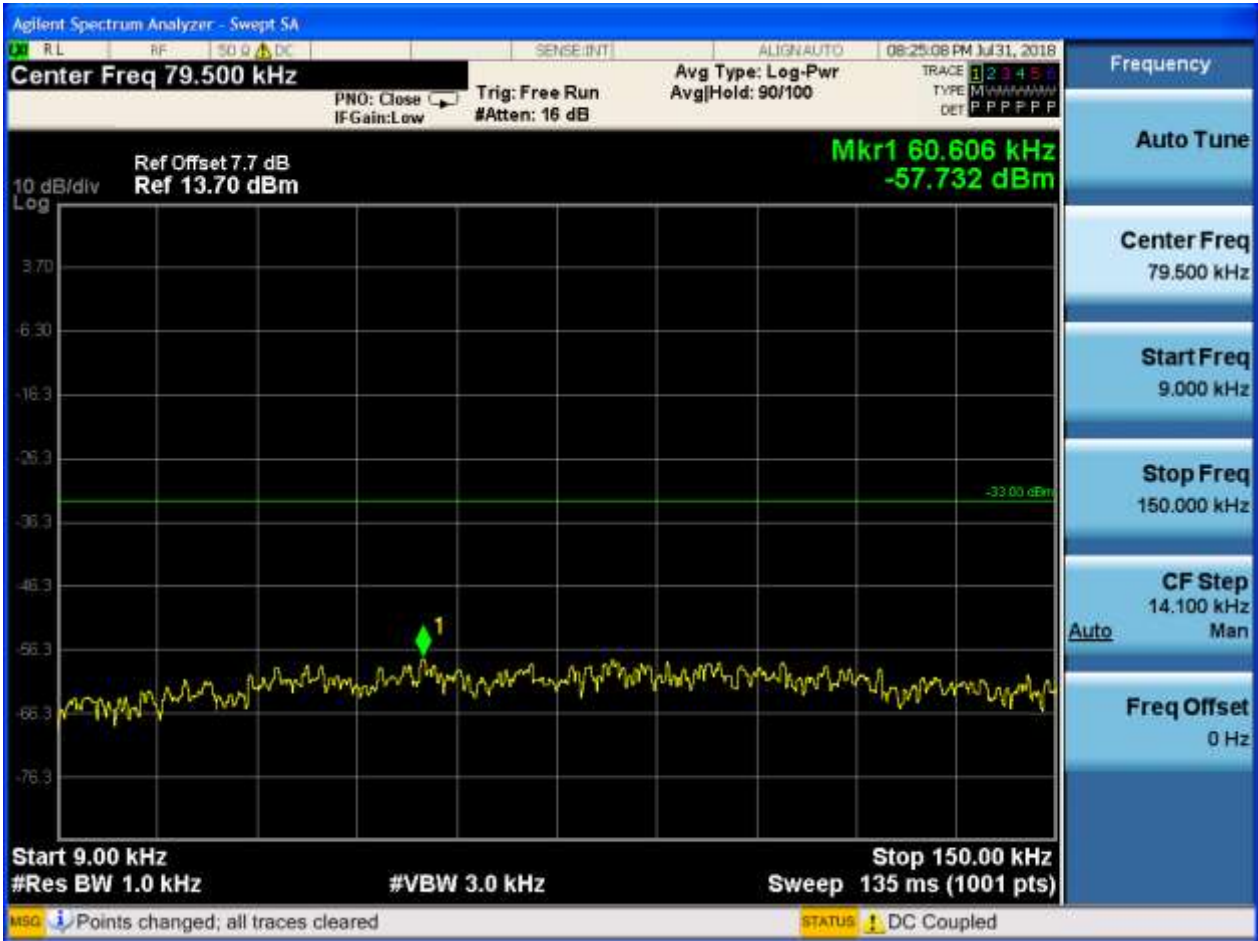


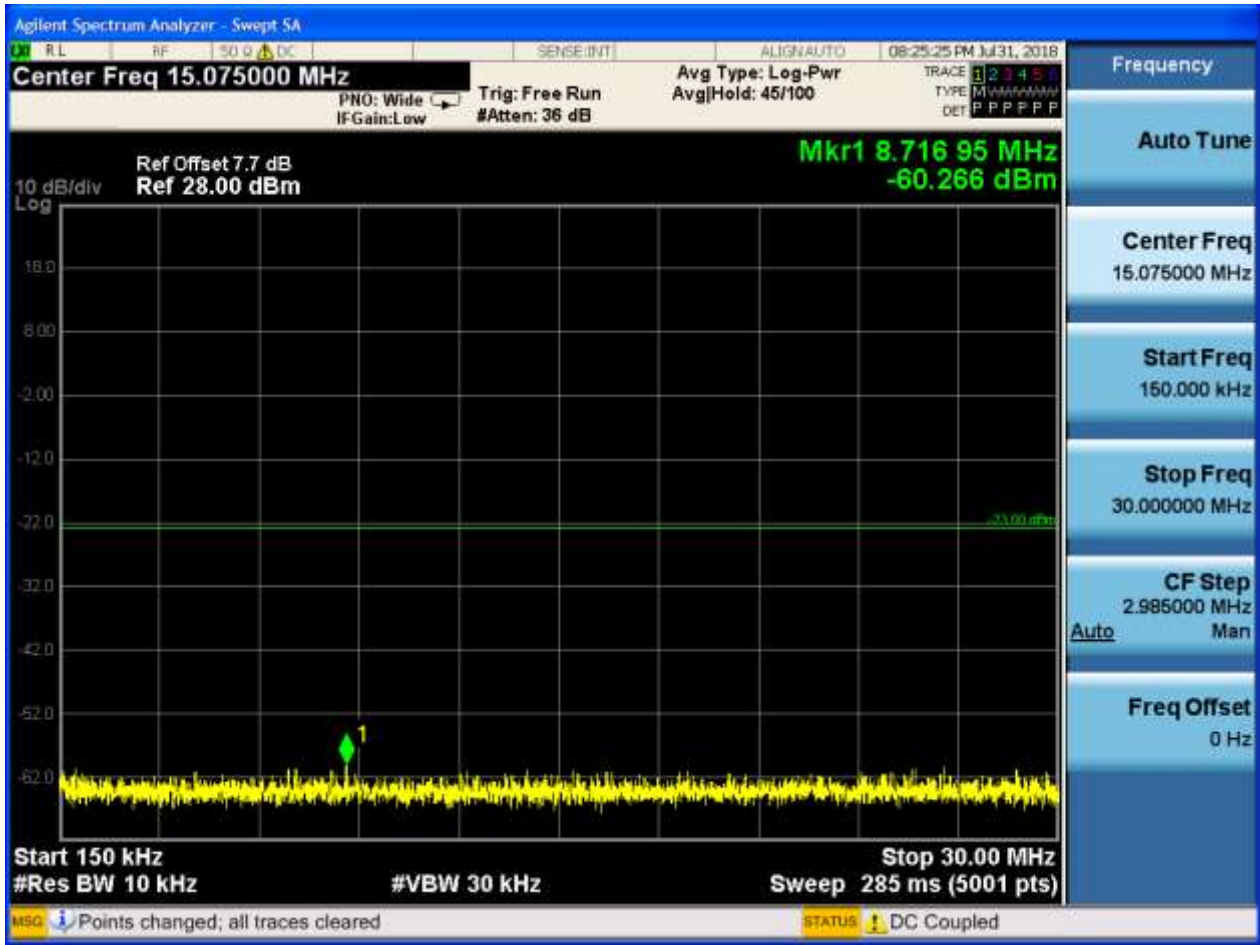


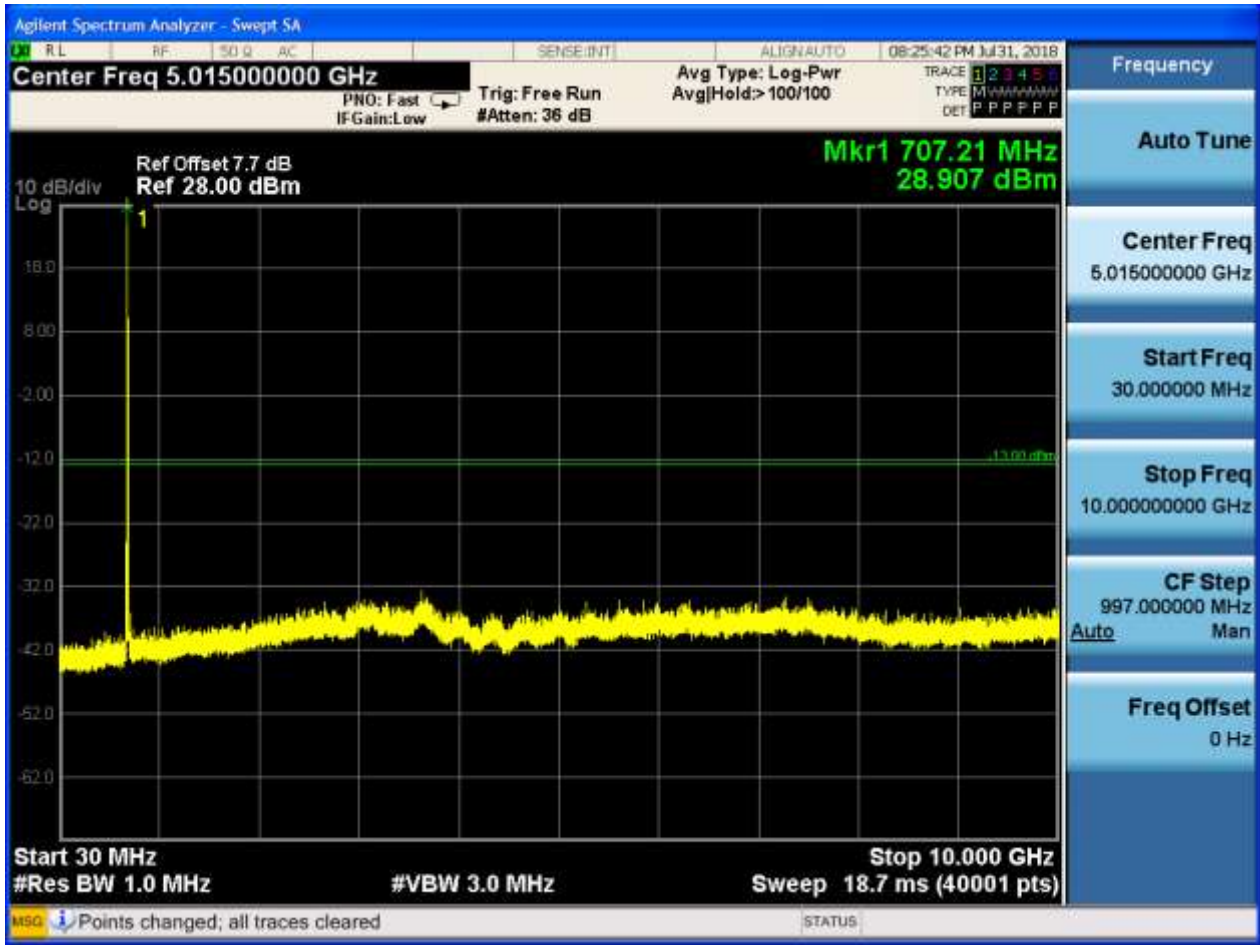


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









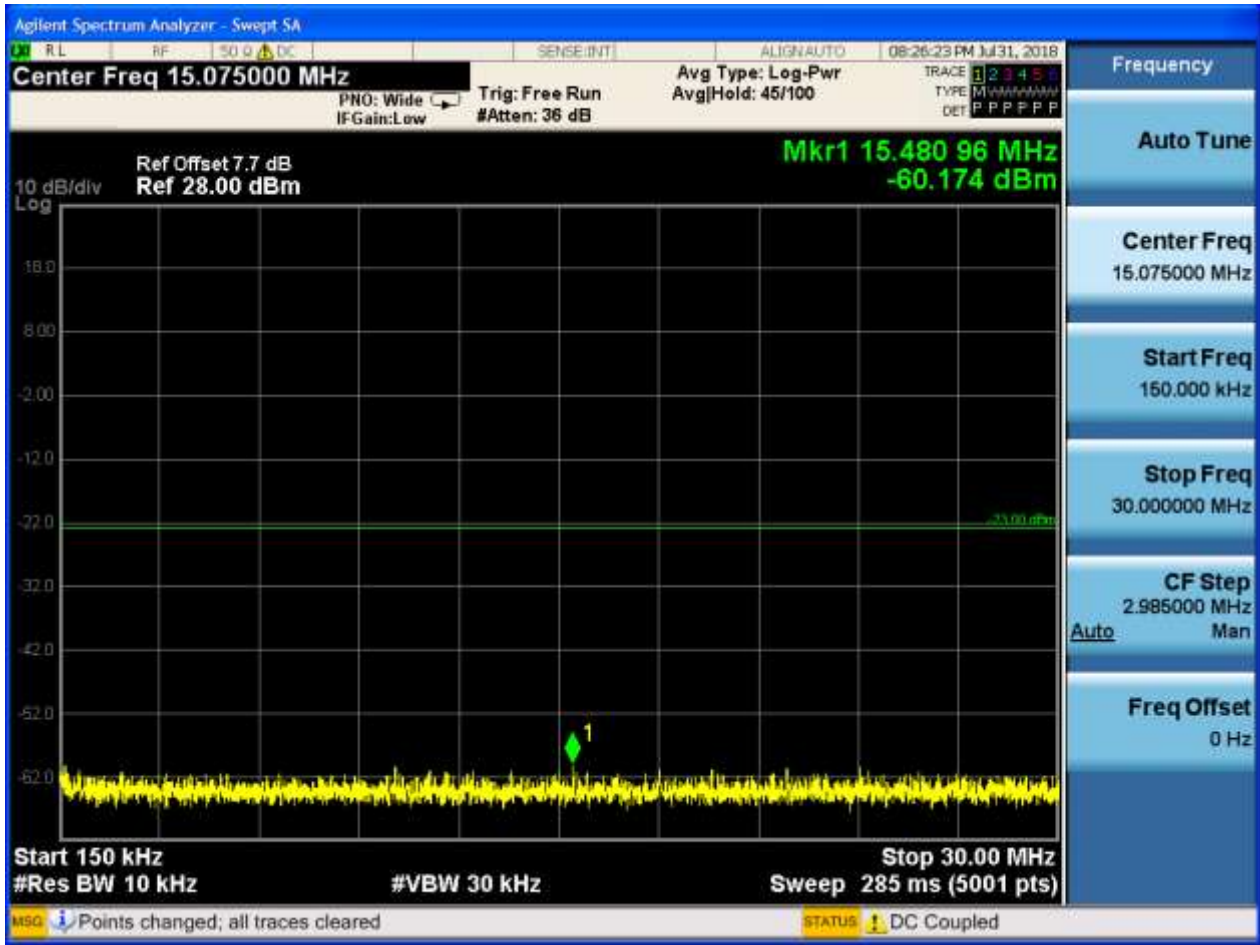
6.1.1.2 Test Mode = LTE/TM2

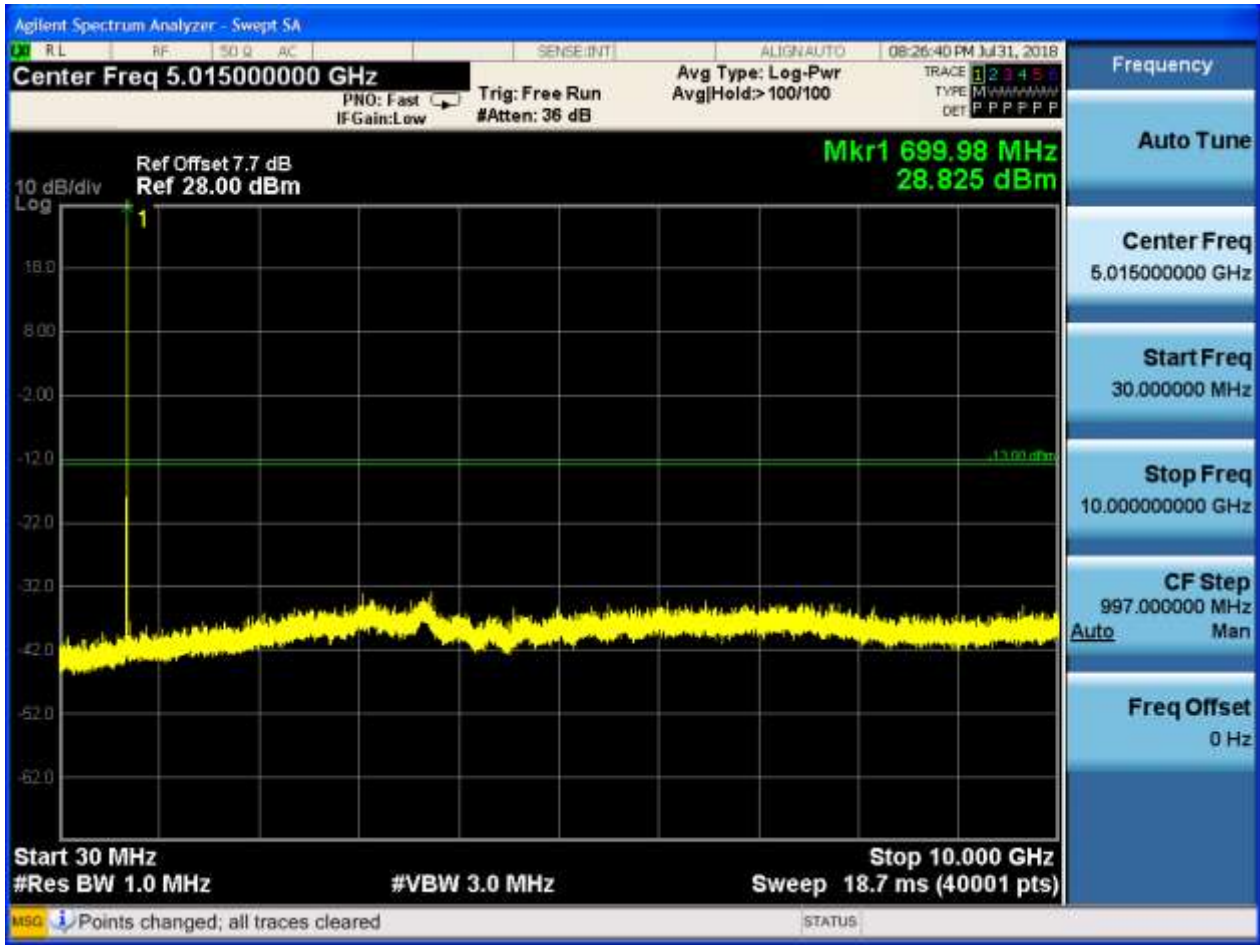
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



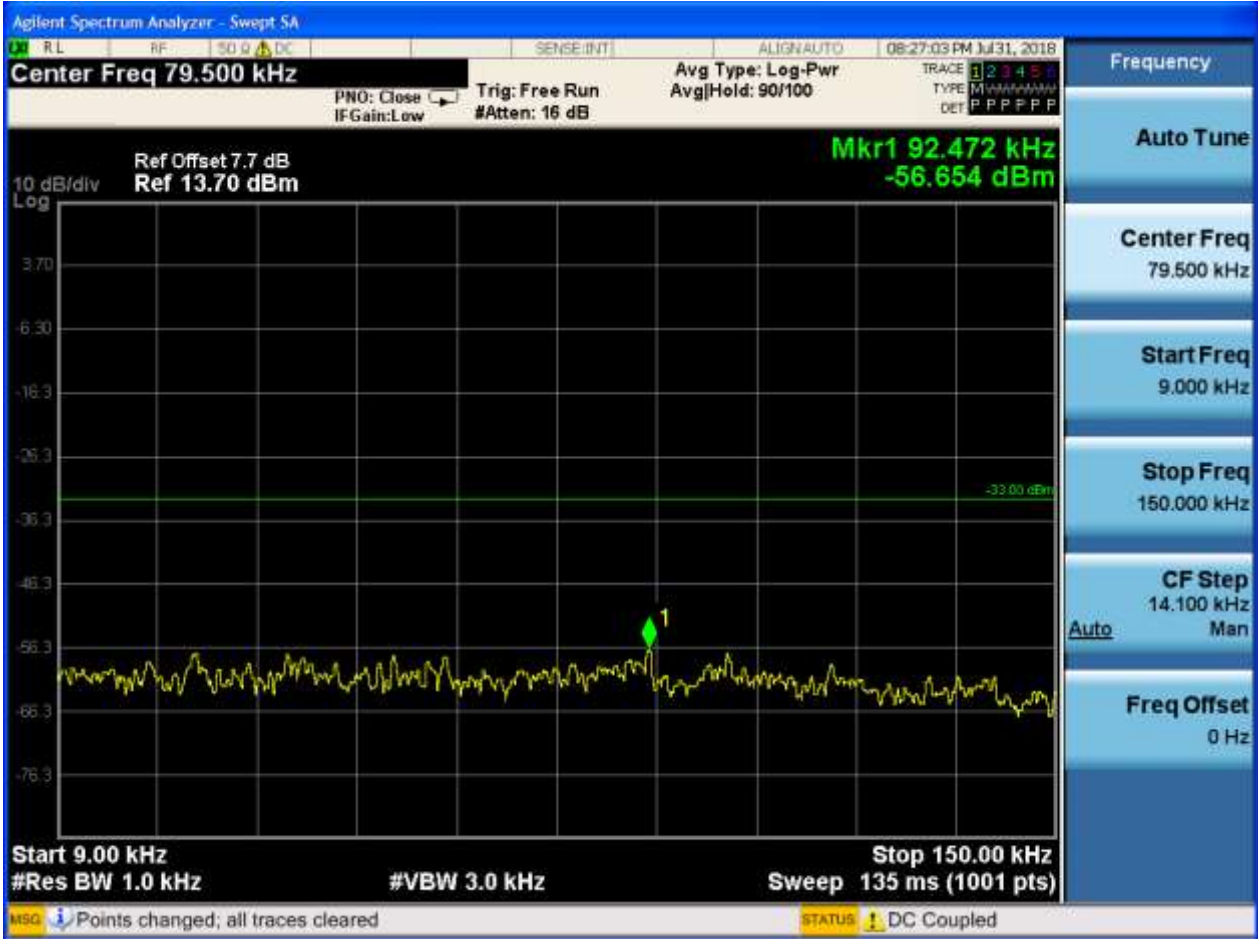


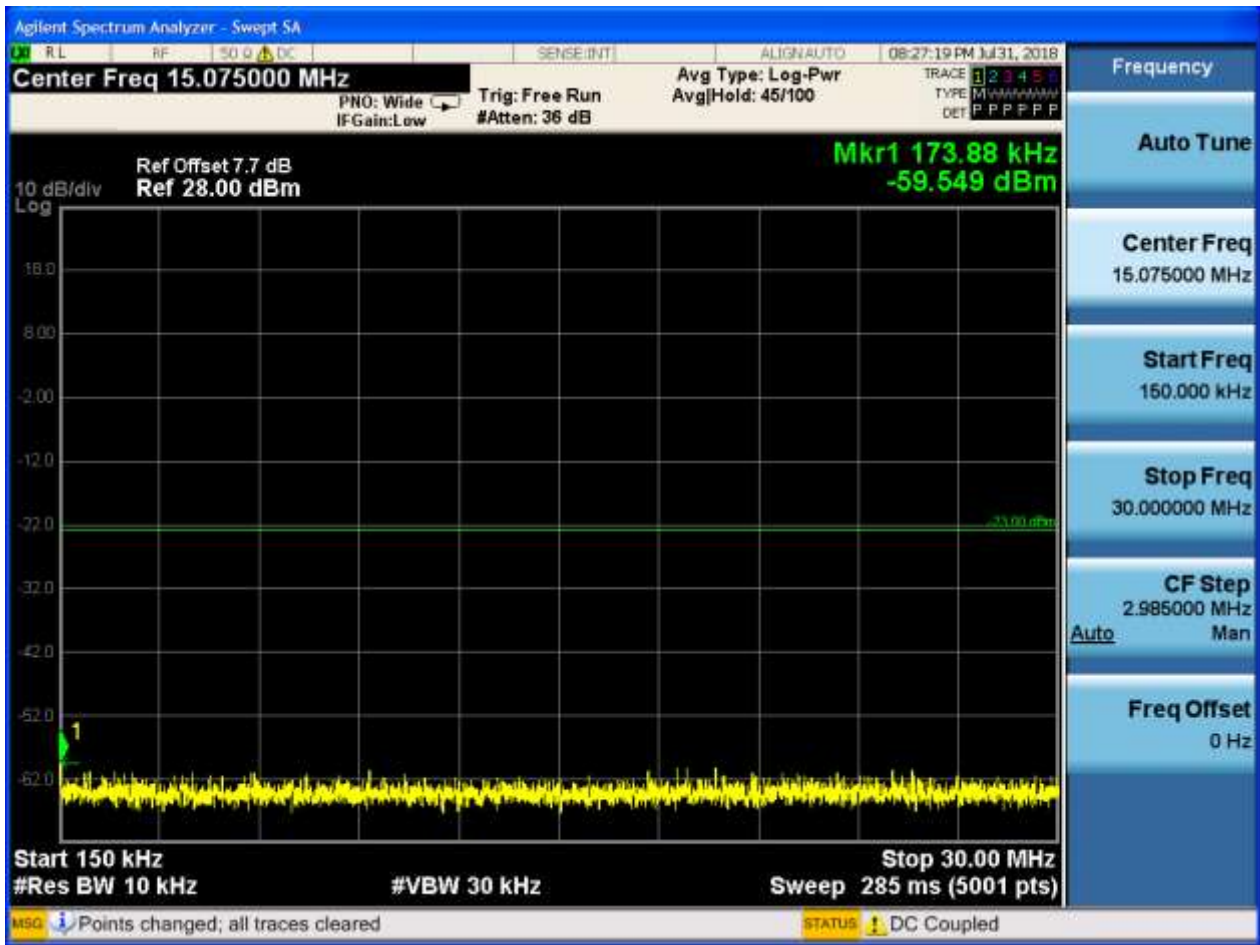


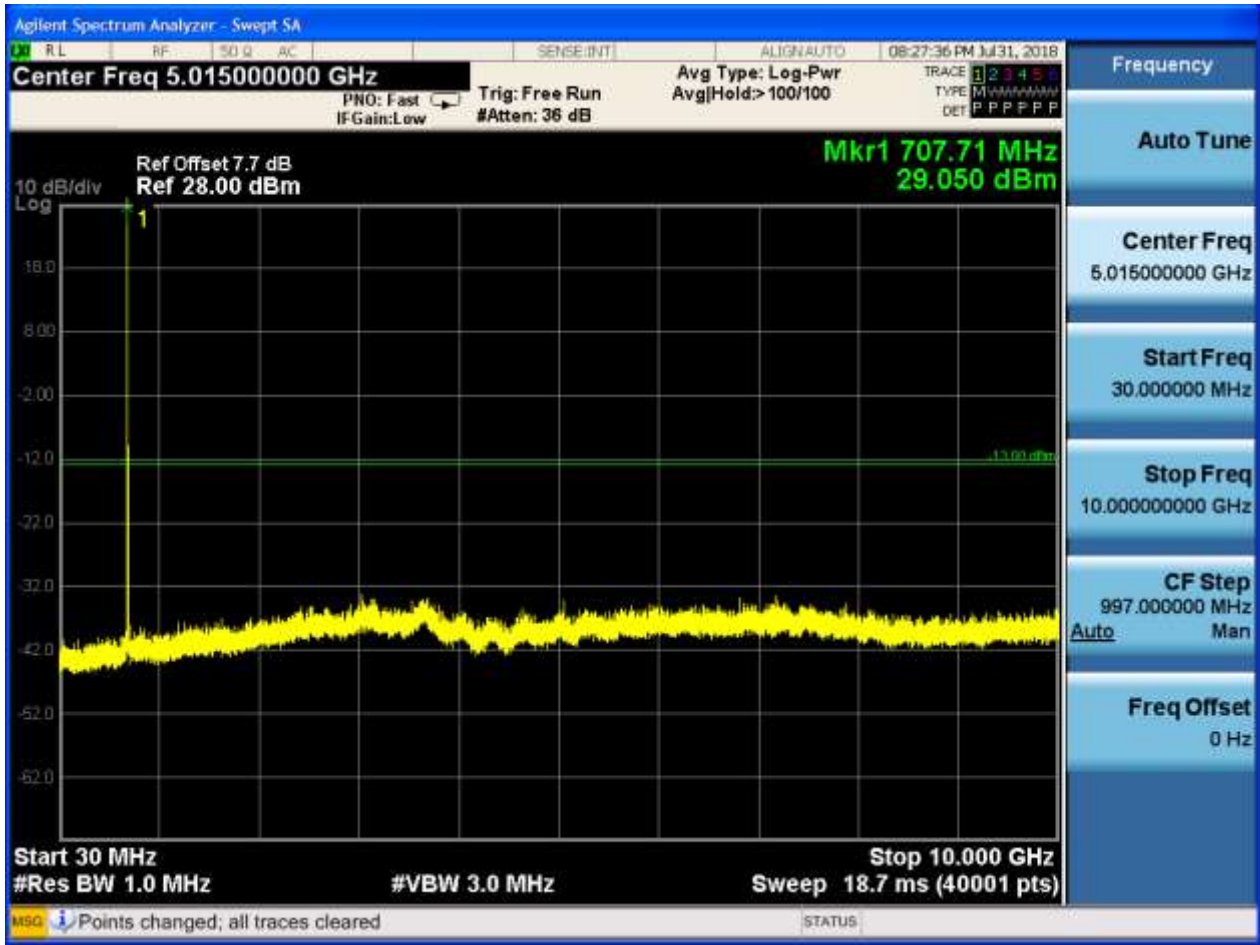


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





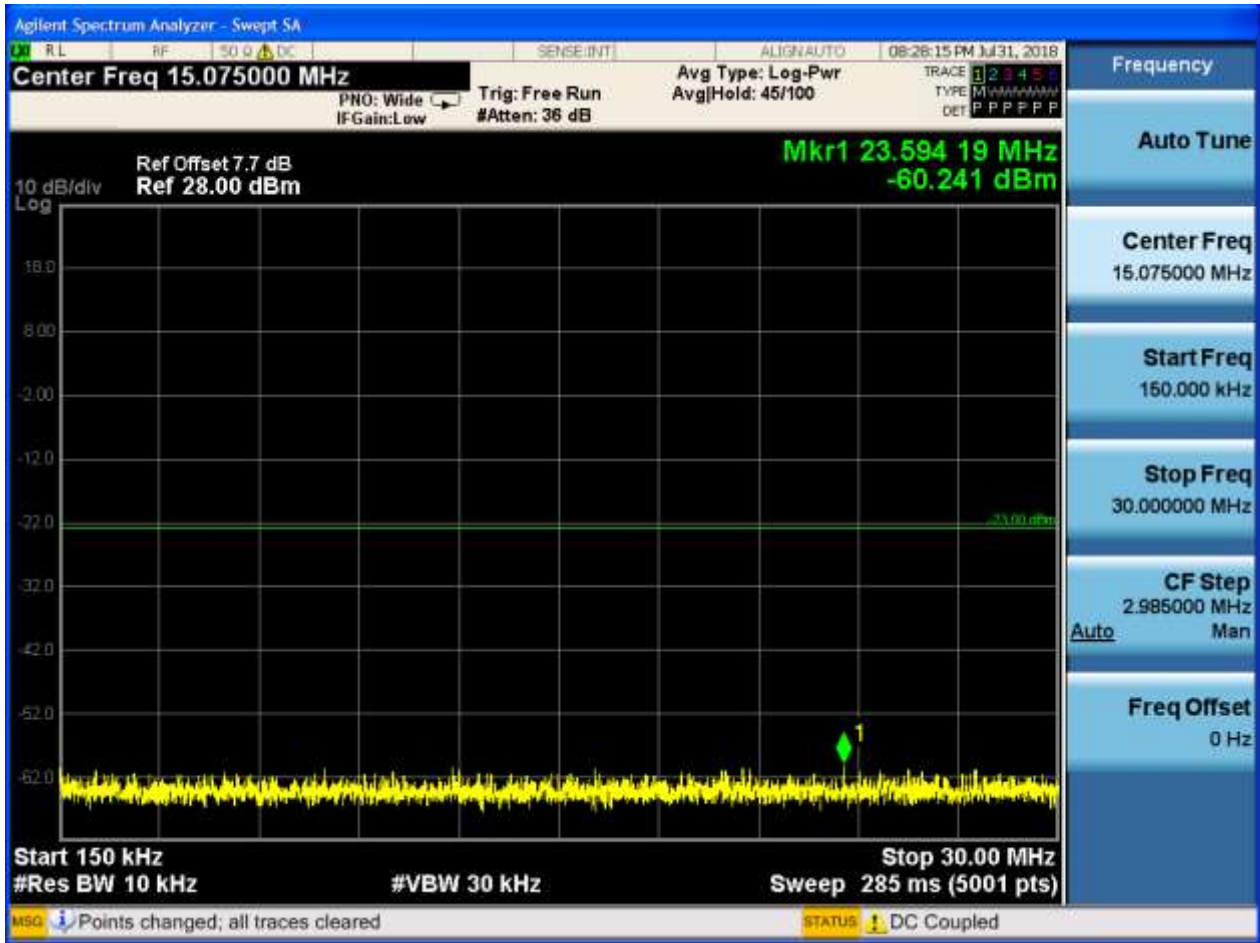




6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





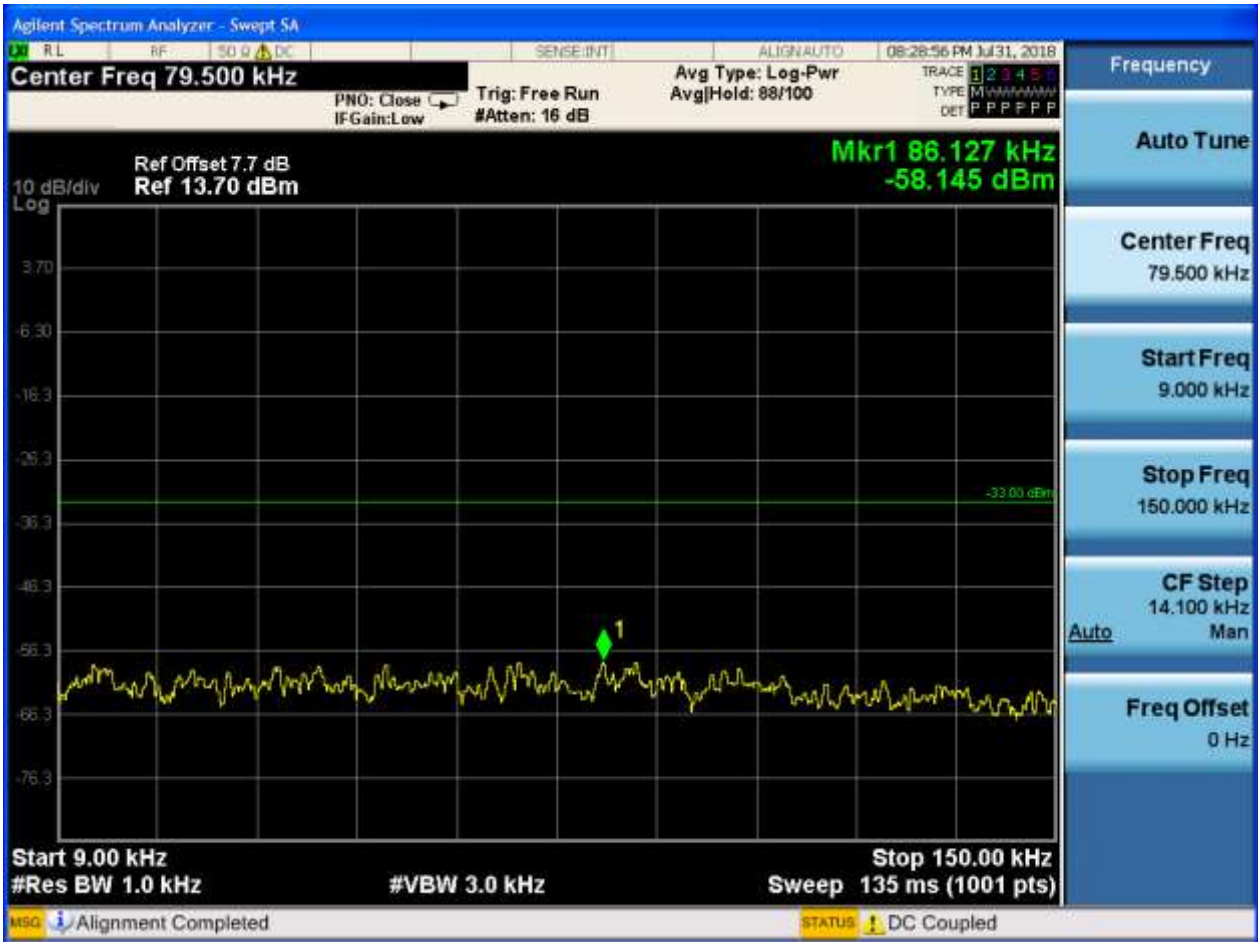


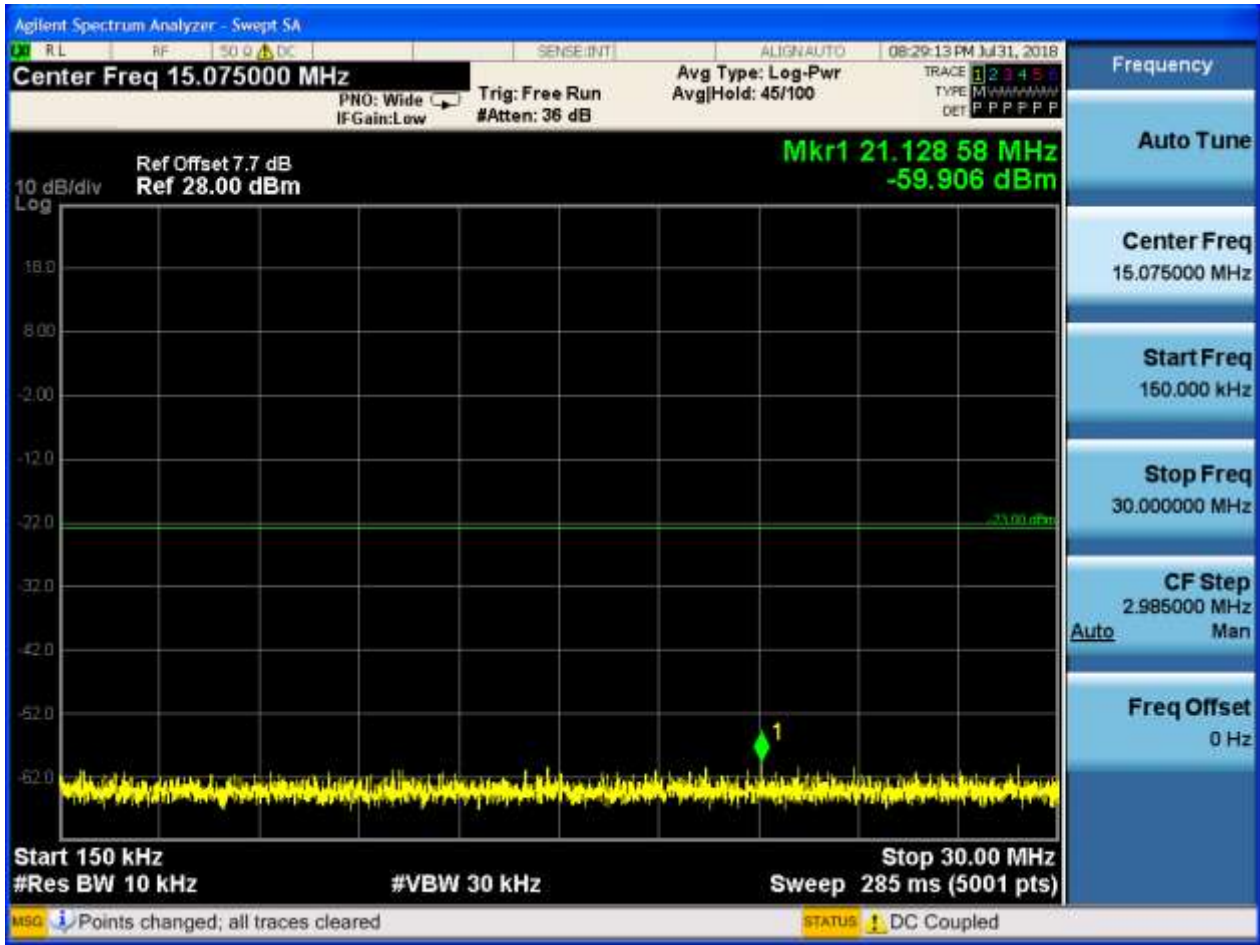


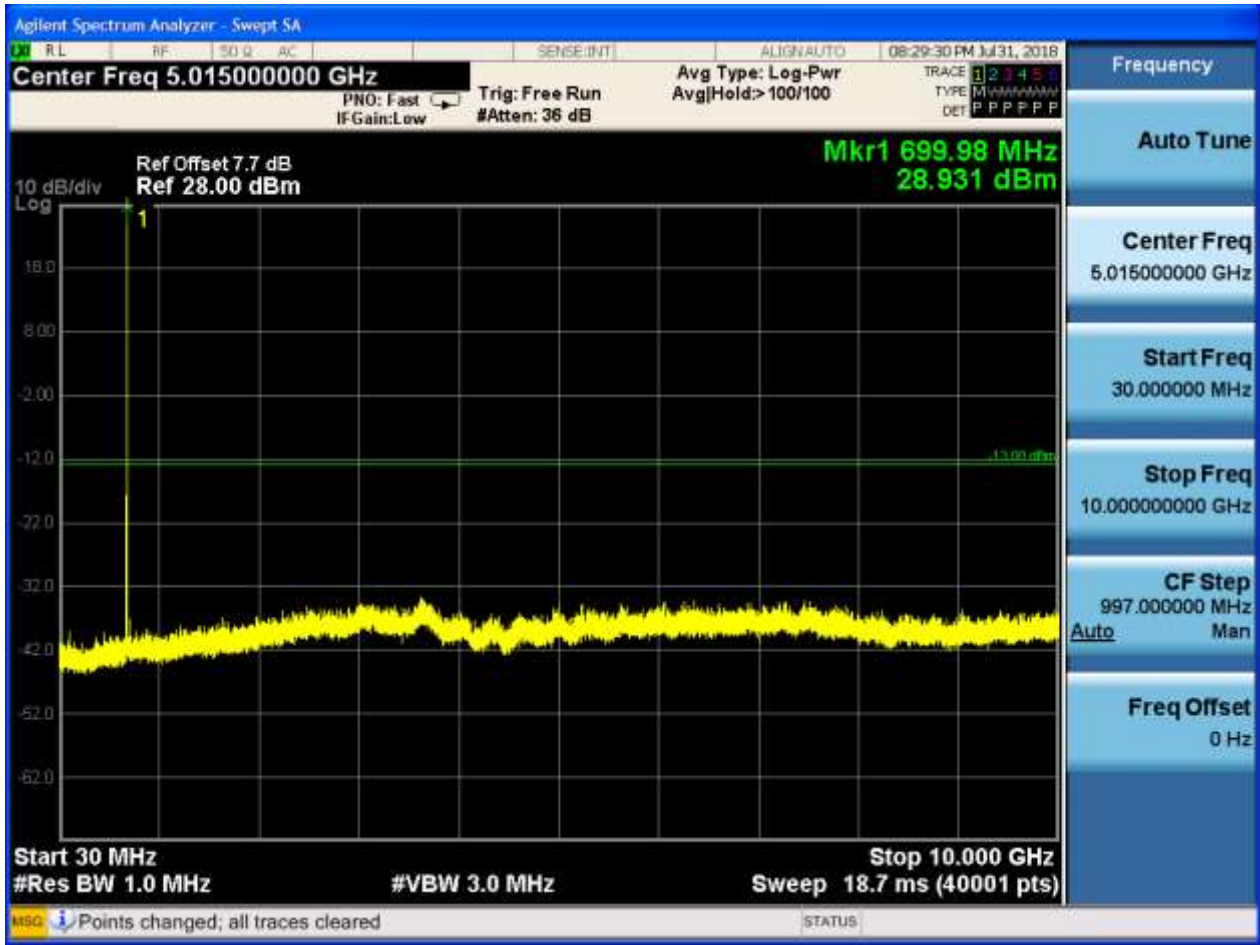
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





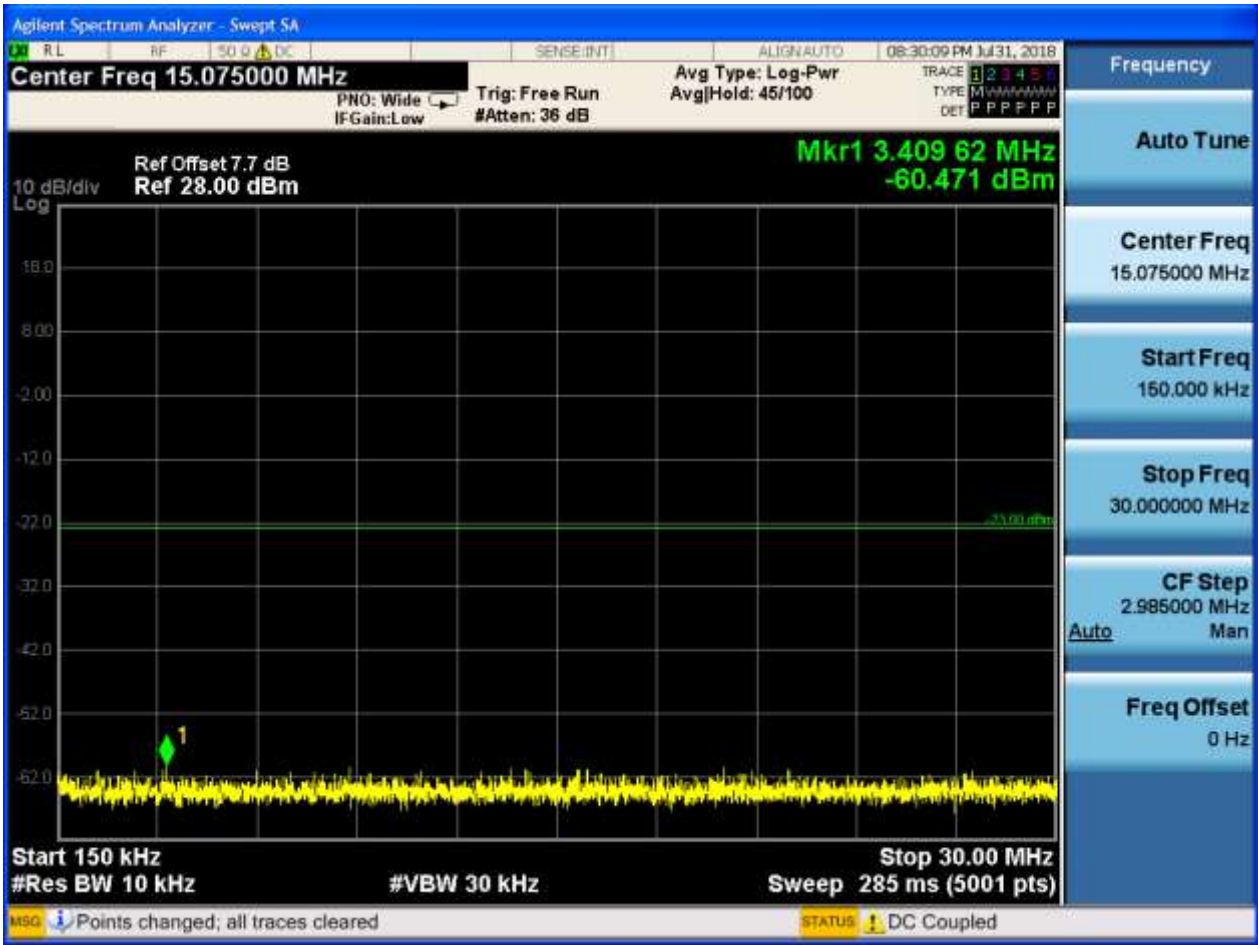


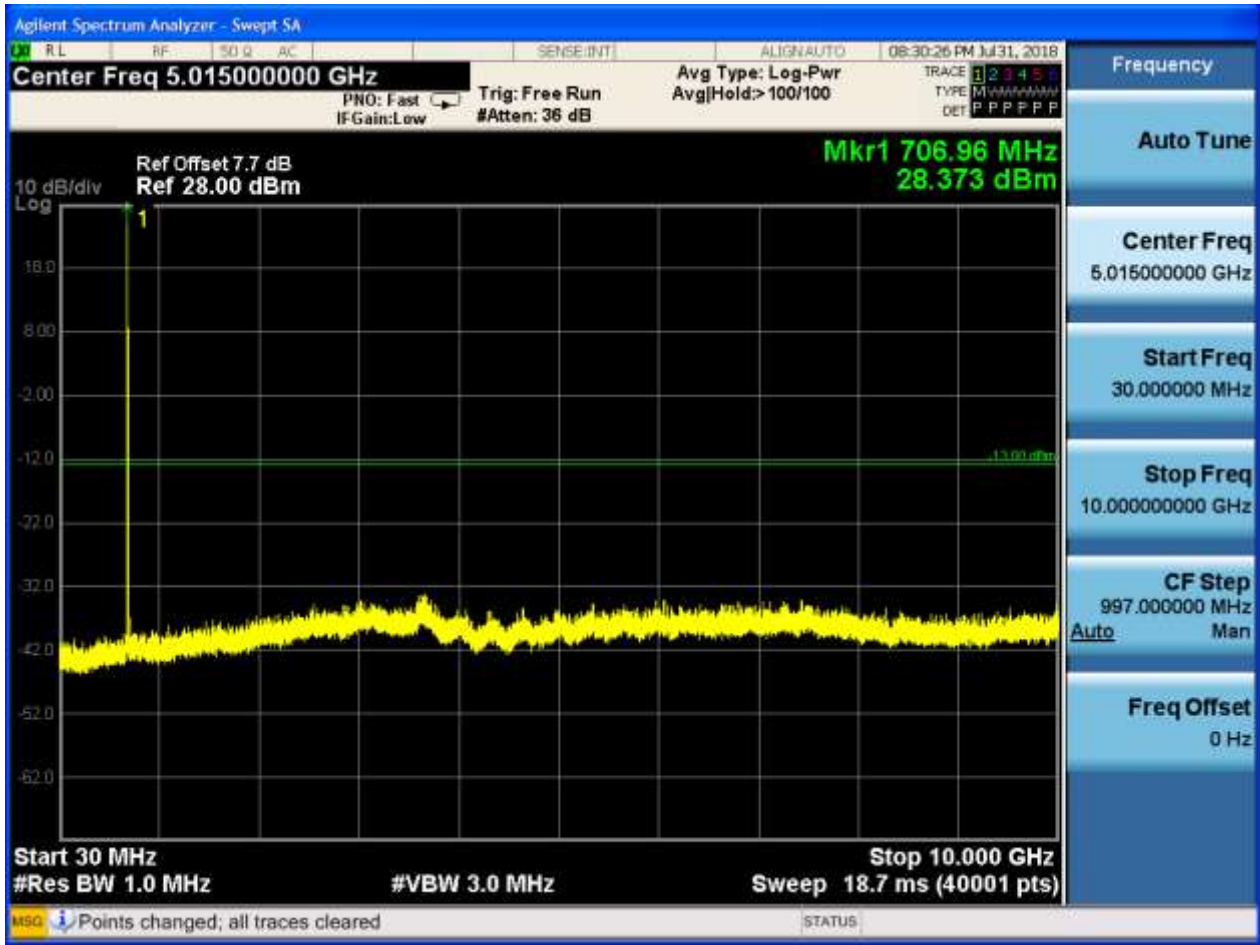


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0









6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0

